

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: April 3, 2006, 05:39:11 ; Search time 172 Seconds
(without alignments)
6118.119 Million cell updates/sec

Title: US-10-624-670-1
Perfect score: 592
Sequence: 1 ctataggcgcgcgtggtcg.....gccctgcggaggcccatg 592

Scoring table: IDENTITY NUC
Gap 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/ptodata/1/ina/1 COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5 COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/1/ina/H COMB.seq.*
6: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq.*
7: /cgn2_6/ptodata/1/ina/PP COMB.seq.*
8: /cgn2_6/ptodata/1/ina/RE COMB.seq.*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	310	52.4	982	3	US-08-725-532A-4
2	310	52.4	982	3	US-09-016-434-993
3	234	39.5	1315	3	US-09-164-193-1
4	234	39.5	1315	3	US-09-221-448A-1
5	52.8	8.9	7218	2	US-08-232-463-14
6	45.2	7.6	22118	3	US-09-815-981A-5
7	44.6	7.5	614	3	US-09-902-540-1318
8	42.4	7.2	1732	3	US-09-270-767-2595
9	42.4	7.2	1732	3	US-09-270-767-17877
10	41.8	7.1	601	3	US-09-949-016-142965
11	41.8	7.1	601	3	US-09-949-016-142966
12	41.8	7.1	601	3	US-09-949-016-142967
13	41.8	7.1	265038	3	US-09-949-016-15779
14	41.6	7.0	1696	3	US-09-835-811-1
15	41.4	7.0	290	3	US-10-131-827-8418
16	41	6.9	612	3	US-09-902-540-1357
17	40.8	6.9	2744	3	US-09-071-101-1
18	40.8	6.9	2744	3	US-09-369-618-1
19	40.8	6.9	2744	3	US-09-369-617-1
20	40.6	6.9	2447	2	US-09-014-969-14
21	40.2	6.8	1030	3	US-09-945-376-3
22	40	6.8	555	3	US-08-905-223-37
23	40	6.8	555	3	US-09-247-155-37
24	40	6.8	555	3	US-09-599-360B-23

25 40 6.8 3 US-09-663-600A-37 Sequence 37, Appl
26 40 6.8 3 US-09-621-976-23 Sequence 23, Appl
27 40 6.8 3 US-09-513-999C-23 Sequence 23, Appl
28 40 6.8 3 US-09-471-276-23 Sequence 23, Appl
29 40 6.8 3 US-09-903-190-37 Sequence 37, Appl
30 39.8 6.7 1039 3 US-09-902-540-1280 Sequence 1280, Ap
31 39.6 6.7 6078 3 US-09-173-914-1 Sequence 1, Appl
32 39.4 6.7 505 3 US-09-621-976-15639 Sequence 15639, A
33 39.2 6.6 411 3 US-09-598-401C-30 Sequence 30, Appl
34 39.2 6.6 2791 3 US-09-570-367C-1 Sequence 1, Appl
35 39.2 6.6 2791 3 US-09-915-524-1 Sequence 1, Appl
36 39.2 6.6 2791 3 US-09-934-634-1 Sequence 1, Appl
37 39.2 6.6 2791 3 US-09-917-278-1 Sequence 1, Appl
38 39 6.6 2240 3 US-09-814-351-6 Sequence 6, Appl
39 39 6.6 2240 3 US-09-814-292-1 Sequence 1, Appl
40 39 6.6 2240 3 US-09-814-357-6 Sequence 6, Appl
41 39 6.6 6755 3 US-08-931-999-4 Sequence 4, Appl
42 38.8 6.6 382 3 US-09-598-401C-39 Sequence 39, Appl
43 38.8 6.6 515 3 US-09-598-401C-94 Sequence 84, Appl
44 38.8 6.6 2571 3 US-09-598-401C-93 Sequence 93, Appl
45 38.4 6.5 1484 3 US-09-991-181-232 Sequence 292, Appl

ALIGNMENTS

RESULT 1
US-08-725-532A-4
; Sequence 4, Application US/08725532A
; Patent No. 6020179
; GENERAL INFORMATION:
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN TYROSINE PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESS: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,532A
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0130 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 982 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY: Consensus
; CLONE: Consensus
; US-08-725-532A-4
Query Match 52.4%; Score 310; DB 3; Length 982;
Best Local Similarity 100.0%; Pred. No. 2.7e-77;

BEST AVAILABLE COPY

Query Match 7.6%; Score 45.2; DB 3; Length 22118;
Best Local Similarity 52.7%; Pred. No. 0.031; Indels 0; Gaps 0;
Matches 98; Conservative 0; Mismatches 88; Indels 0; Gaps 0;
QY 192 TTGAGGTTTAAAGTTTCTTGTGAGCTTTTGTGTTGTTCTTTTAAATTTTGTGCTC 251
DB 19801 TTGAGGTTTAAAGTTTCTTGTGAGCTTTTGTGTTGTTCTTTTAAATTTTGTGCTC 19860
QY 252 TTTATGACTATCCAGCTCTGAGACGGGAGTTTGGAGTTGCCGCTTACTTTGGTTGG 311
DB 19861 TTTATGACTATCCAGCTCTGAGACGGGAGTTTGGAGTTGCCGCTTACTTTGGTTGG 19920
QY 312 GTTGG 371
DB 19921 GTTGG 19980
QY 372 TTAATT 377
DB 19981 TTGTTT 19986

RESULT 7
US-09-902-540-1318/c
; Sequence 1318, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1318
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(614)
; OTHER INFORMATION: unsure at all n locations
US-09-902-540-1318

Query Match 7.5%; Score 44.6; DB 3; Length 614;
Best Local Similarity 52.4%; Pred. No. 0.011; Indels 0; Gaps 0;
Matches 98; Conservative 0; Mismatches 89; Indels 0; Gaps 0;
QY 187 TTCACCTTTGAGTTTAAAGTTTCTTGTGAGCTTTTGTGTTGTTCTTTTAAATTTT 246
DB 462 TTTTCTTTTGTGTTTAAAGTTTCTTGTGAGCTTTTGTGTTGTTCTTTTAAATTTT 403
QY 247 GCCTCTTATGACTATCCAGCTCTGAGACGGGAGTTTGGAGTTGCCGCTTACTTTG 306
DB 402 TTTCTTTTGTGTTTAAAGTTTCTTGTGAGCTTTTGTGTTGTTCTTTTAAATTTT 343
QY 307 GTTGGGTTGG 366
DB 342 GTTCTTGTGTTGTTTAAAGTTTCTTGTGAGCTTTTGTGTTGTTCTTTTAAATTTT 283
QY 367 CTTTTT 373
DB 282 TTTT 276

RESULT 8
US-09-270-767-2595/c
; Sequence 2595, Application US/09270767
; Patent No. 6703491

GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2595
; LENGTH: 1732
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-2595

Query Match 7.2%; Score 42.4; DB 3; Length 1732;
Best Local Similarity 50.5%; Pred. No. 0.068; Indels 0; Gaps 0;
Matches 103; Conservative 0; Mismatches 101; Indels 0; Gaps 0;
QY 180 GGCCGGGTTACCTTTGAGTTTAAAGTTTCTTGTGAGCTTTTGTGTTGTTCTTTT 239
DB 554 GGCTGTTTACATTTAAAGTTTCTTGTGAGCTTTTGTGAGCTTTTGTGTTGTTCTTT 495
QY 240 ATTTTGTGCTCTTATGACTATCCAGCTCTGAGACGGGAGTTTGGAGTTGCCGCTT 299
DB 494 TTTTGTGTTTACATTTAAAGTTTCTTGTGAGCTTTTGTGAGCTTTTGTGTTGTTCTTT 435
QY 300 TACTTTGGTTGGTTGG 359
DB 434 TGCTTGTGTTGAGTTGGGTTTATGATTTTGTGAGCTTTTGTGAGCTTTTGTGTTGTTCTTT 375
QY 360 GGGTTTCTTTTAAATTTATCCAA 383
DB 374 TTTTTCGGTTTGTCTTTTGTATAA 351

RESULT 9
US-09-270-767-17877/c
; Sequence 17877, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 17877
; LENGTH: 1732
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-17877

Query Match 7.2%; Score 42.4; DB 3; Length 1732;
Best Local Similarity 50.5%; Pred. No. 0.068; Indels 0; Gaps 0;
Matches 103; Conservative 0; Mismatches 101; Indels 0; Gaps 0;
QY 180 GGCCGGGTTACCTTTGAGTTTAAAGTTTCTTGTGAGCTTTTGTGTTGTTCTTTT 239
DB 554 GGCTGTTTACATTTAAAGTTTCTTGTGAGCTTTTGTGAGCTTTTGTGTTGTTCTTT 495
QY 240 ATTTTGTGCTCTTATGACTATCCAGCTCTGAGACGGGAGTTTGGAGTTGCCGCTT 299
DB 494 TTTTGTGTTTACATTTAAAGTTTCTTGTGAGCTTTTGTGAGCTTTTGTGTTGTTCTTT 435
QY 300 TACTTTGGTTGGTTGG 359
DB 434 TGCTTGTGTTGAGTTGGGTTTATGATTTTGTGAGCTTTTGTGAGCTTTTGTGTTGTTCTTT 375
QY 360 GGGTTTCTTTTAAATTTATCCAA 383
DB 374 TTTTTCGGTTTGTCTTTTGTATAA 351

RESULT 10
US-09-949-016-142965/c
; Sequence 142965, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142965
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142965

Query Match 7.1%; Score 41.8; DB 3; Length 601;
Best Local Similarity 58.4%; Pred. No. 0.066; 52; Indels 0; Gaps 0;
Matches 73; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
Qy 183 CGGGTTCACCTTTGAGTTTAAAGTTTCTTCTGCTGAGCTTTTGGTTGTTCTTTTATT 242
Db 364 CGAGGACACTCTGAGTATCTGAGTTTGGTTGATAGCTTTTCTTTTCTTTTCTTTT 305
Qy 243 TTTTGGCTCTTTATGACTATCCAGCTCTGAGAGCGGAGTTTGAGTTGCCGCTTTAC 302
Db 304 TTTTGACAAGGCTCTGGCTCTGCCATTCAGGCTGTAGAATAGTGGCGGATCACAGTTCC 245
Qy 303 TTTGG 307
Db 244 TGTAG 240

RESULT 11
US-09-949-016-142966/c
; Sequence 142966, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142966
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142966

Query Match 7.1%; Score 41.8; DB 3; Length 601;
Best Local Similarity 58.4%; Pred. No. 0.066; 52; Indels 0; Gaps 0;
Matches 73; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
Qy 183 CGGGTTCACCTTTGAGTTTAAAGTTTCTTCTGCTGAGCTTTTGGTTGTTCTTTTATT 242

Db 585 CGAGGACACTCTGAGTATCTGAGTTTGGTTGATAGCTTTTCTTTTCTTTTCTTTT 526
Qy 243 TTTTGGCTCTTTATGACTATCCAGCTCTGAGAGCGGAGTTTGAGTTGCCGCTTTAC 302
Db 525 TTTTGACAAGGCTCTGGCTCTGCCATTCAGGCTGTAGAATAGTGGCGGATCACAGTTCC 466
Qy 303 TTTGG 307
Db 465 TGTAG 461

RESULT 12
US-09-949-016-142967/c
; Sequence 142967, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142967
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142967

Query Match 7.1%; Score 41.8; DB 3; Length 601;
Best Local Similarity 58.4%; Pred. No. 0.066; 52; Indels 0; Gaps 0;
Matches 73; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
Qy 183 CGGGTTCACCTTTGAGTTTAAAGTTTCTTCTGCTGAGCTTTTGGTTGTTCTTTTATT 242
Db 589 CGAGGACACTCTGAGTATCTGAGTTTGGTTGATAGCTTTTCTTTTCTTTTCTTTT 530
Qy 243 TTTTGGCTCTTTATGACTATCCAGCTCTGAGAGCGGAGTTTGAGTTGCCGCTTTAC 302
Db 529 TTTTGACAAGGCTCTGGCTCTGCCATTCAGGCTGTAGAATAGTGGCGGATCACAGTTCC 470
Qy 303 TTTGG 307
Db 469 TGTAG 465

RESULT 13
US-09-949-016-15779
; Sequence 15779, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 15779
; LENGTH: 265038
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(265038)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15779

Query Match
Best Local Similarity 7.1%; Score 41.8; DB 3; Length 265038;
Matches 73; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
QY 183 CGGGTTTCACCTTGAAGTTTAAAGTTTCTTGCTGAGCTTTTGGTGTCTCTTTATT 242
Db 129123 CGAGGACACTCTGAGTATCTGAGTTGGTGGATTAGCTTTTTTTTTTTTTTTT 129182
QY 243 TTTTGCCTCTTTATGACTATCCAGCTCTGAGAGACGGAGTTTGGAGTTGCCGCTTTAC 302
Db 129183 TTTTGACAGGCTCTGGCTCTGCCATTCCAGCTGTAGATAGTGGGGATCACAGTTTCAC 129242
QY 303 TTTGG 307
Db 129243 TGTAG 129247

RESULT 14
US-09-835-811-1/c
; Sequence 1, Application US/09835811
; Patent No. 6482936
; GENERAL INFORMATION:
; APPLICANT: HU, Song et al
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL0012228
; CURRENT APPLICATION NUMBER: US/09/835,811
; CURRENT FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1696
; TYPE: DNA
; ORGANISM: Human
US-09-835-811-1

Query Match
Best Local Similarity 7.0%; Score 41.6; DB 3; Length 1696;
Matches 98; Conservative 0; Mismatches 94; Indels 0; Gaps 0;
QY 198 TTTTAAAGTTTCTTGCTGAGCTTTTGGTGTCTCTTTTAAATTTTGCCTCTTTATG 257
Db 1692 TTTTAAAGTTTCTTGCTGAGCTTTTGGTGTCTCTTTTAAATTTTGCCTCTTTATG 1633
QY 258 ACTATCAGCTCTGAGAGACGGAGTTGAGTTGCCGCTTACTTGGTTGGTTGGG 317
Db 1632 TTTTAAAGTTTCTTGCTGAGCTTTTGGTGTCTCTTTTAAATTTTGCCTCTTTATG 1573
QY 318 GGGGGGGGGGGTGTCTTGCTCTTTTAAAGTTTGGTTTCTTTTAAATTTTAAAT 377
Db 1572 TTTTAAAGTTTCTTGCTGAGCTTTTGGTGTCTCTTTTAAATTTTGCCTCTTTATG 1513
QY 378 ATCCAAACAGTG 389
Db 1512 ATCTATACAGTG 1501

RESULT 15
US-10-131-827-8418
; Sequence 8418, Application US/10131827
; Patent No. 6905827
; GENERAL INFORMATION:

; APPLICANT: Wohlgemuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; TITLE OF INVENTION: CHRONIC INFLAMMATORY DISEASES
; FILE REFERENCE: 506612000120
; CURRENT APPLICATION NUMBER: US/10/131,827
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 9090
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 8418
; LENGTH: 290
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-827-8418
Query Match
Best Local Similarity 7.0%; Score 41.4; DB 3; Length 290;
Matches 99; Conservative 0; Mismatches 96; Indels 0; Gaps 0;
QY 199 TTTTAAAGTTTCTTGCTGAGCTTTTGGTGTCTCTTTTAAATTTTGCCTCTTTATGA 258
Db 1 TTTTAAAGTTTCTTGCTGAGCTTTTGGTGTCTCTTTTAAATTTTGCCTCTTTATGA 60
QY 259 CTATCCAGCTCTGAGAGACGGAGTTTGGAGTTGCCGCTTTACTTTGGTTGGTTGGG 318
Db 61 TTTTAAAGTTTCTTGCTGAGCTTTTGGTGTCTCTTTTAAATTTTGCCTCTTTATGA 120
QY 319 GGGGGGGGGGGTGTCTTGCTCTTTTAAAGTTTGGTTTCTTTTAAAGTTTGGTTTCTTT 378
Db 121 GGAAGAGGGGGGGGGGATTTTAAAGTTTCTTTTAAAGTTTCTTTTAAAGTTTCTTT 180
QY 379 TCCAAACAGTGGGCA 393
Db 181 TTGAAAGGGGGGAA 195
Search completed: April 3, 2006, 05:42:46
Job time : 173 secs

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: April 3, 2006, 05:39:30 ; Search time 3204 Seconds
(without alignments)
10502.910 Million cell updates/sec

Title: US-10-624-670-1
Perfect score: 592
Sequence: 1 ctatagggcagcgtggtcg.....gcccgtagggagcgccatg 592

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues
Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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- 2: gb.in.*
- 3: gb.env.*
- 4: gb.om.*
- 5: gb.ov.*
- 6: gb.pat.*
- 7: gb.ph.*
- 8: gb.pr.*
- 9: gb.ro.*
- 10: gb.sts.*
- 11: gb.sy.*
- 12: gb.un.*
- 13: gb.vi.*
- 14: gb.htg.*
- 15: gb.pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	557	94.1	2850	6	AX393317	AX393317 Sequence
2	557	94.1	46561	8	AP005888	AP005888 Homo sapi
3	557	94.1	141371	8	AP005792	AP005792 Homo sapi
4	557	94.1	152418	8	AC100803	AC100803 Homo sapi
5	546	92.2	77656	14	AC138743	AC138743 Homo sapi
6	337	56.9	1329	6	BC003105	BC003105 Homo sapi
7	337	56.9	1396	6	C0827376	C0827376 Sequence
8	310	52.4	982	6	AB270430	AB270430 Sequence
9	310	52.4	982	6	BD003637	BD003637 Disease a
10	240	40.5	572	6	C0716903	C0716903 Sequence
11	240	40.5	572	6	C0718557	C0718557 Sequence
12	240	40.5	1006	6	CS113117	CS113117 Sequence
13	240	40.5	1006	8	AF041434	AF041434 Homo sapi
14	234	39.5	1315	6	AR162252	AR162252 Sequence
15	226	38.2	963	8	HS427654	HS427654 Homo sapi
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17	131.4	22.2	2291	9	BC066043	BC066043 Mus muscu
18	131.4	22.2	168400	9	AC119884	AC119884 Mus muscu

19	84.2	14.2	232503	14	AC098900	AC098900 Rattus no
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21	54.2	9.2	162934	14	AC139448	AC139448 Rattus no
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23	52	8.8	7758	6	AX346005	AX346005 Sequence
24	51.6	8.7	73989	14	AC101573	AC101573 Mus muscu
C 25	51.6	8.7	213524	14	AC073339	AC073339 Homo sapi
C 26	51.2	8.6	226454	14	AC162820	AC162820 Bos tauru
C 27	50.8	8.6	7698	6	AX346602	AX346602 Sequence
C 28	50.8	8.6	167991	9	AC125175	AC125175 Mus muscu
C 29	50.8	8.6	213272	14	AC135668	AC135668 Mus muscu
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C 31	49.4	8.3	127955	14	AC139907	AC139907 Rattus no
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C 34	48.8	8.2	7721	6	CS105998	CS105998 Sequence
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C 36	48.8	8.2	120644	14	AC026496	AC026496 Homo sapi
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C 38	48.6	8.2	5203	6	C0807142	C0807142 Sequence
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C 40	48.6	8.2	5203	6	AX822442	AX822442 Sequence
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C 42	48.6	8.2	71532	14	AC023655	AC023655 Homo sapi
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ALIGNMENTS

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DEFINITION Sequence 247 from Patent WO0210217.
ACCESSION AX393317
VERSION AX393317.1 GI:19701330
KEYWORDS
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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

*REFERENCE
1 St Croix, B., Kinzler, K.W. and Vogelstein, B.
Endothelial cell expression patterns
Patent: WO 0210217-A 247 07-FEB-2002;
The Johns Hopkins University (US)
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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1e-135;
Matches 557; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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JOURNAL Published Only in Database (2002)
REFERENCE 2 (bases 1 to 141371)
AUTHORS Shimizu.N. and Asakawa,S.
TITLE Direct Submission
JOURNAL Submitted (27-SEP-2002) Nobuyoshi Shimizu, Keio University, School
of Medicine, Molecular Biology; 35 Shinanomachi, Shinjuku-ku, Tokyo
160-8582, Japan (E-mail:nehimizu@db.med.keio.ac.jp,
Tel:81-3-3351-2370, Fax:81-3-3351-2370)
COMMENT On Mar 24, 2003 this sequence version replaced gi:28971758.
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Talamas, J., Testave, S., Theodore, J., Topham, K., Travers, M.,
Vassiliev, H., Venkataraman, V.S., Viel, R., Vo, A., Wilson, B., Wu, X.,
Wyman, D., Young, G., Zainoun, J., Zembek, L., Zimmer, A. and Zody, M.

JOURNAL

REFERENCE

AUTHORS

Submitted (10-APR-2003) Whitehead Institute/MIT Center for Genome
Research, 320 Charles Street, Cambridge, MA 02141, USA
4 (bases 1 to 152418)
Birken, B., Nusbaum, C., Lander, E., Abouelleil, A., Allen, N.,
Anderson, S., Arachchi, H.M., Barna, N., Bastien, V., Bloom, T.,
Boguslavskiy, L., Boukhgalter, B., Camarata, J., Chang, J., Choepel, Y.,
Collinsmore, A., Cooke, P., Corum, B., DeArellano, K.,
Diaz, J.S., Dodge, S., Dooley, K., Dorris, L., Erickson, J., Faro, S.,
Ferreira, P., Fitzgerald, M., Gage, D., Galagan, J., Gardyna, S.,
Graham, L., Grand-Pierre, N., Hafez, N., Hagopian, D., Hagos, B.,
Hall, J., Horton, L., Hulme, W., Iliev, I., Johnson, R., Jones, C.,
Kamat, A., Karatas, A., Kelle, C., Landers, T., Levine, R.,
Lindblad-Toh, K., Liu, G., Lui, A., Mabbitt, R., MacLean, C.,
Macdonald, P., Major, J., Manning, J., Matthews, C., McCarty, M.,
Meldrum, J., Menus, L., Mihova, T., Mianga, V., Murphy, T., Naylor, J.,
Nguyen, C., Nicol, R., Norbu, C., O'Connor, T., O'Donnell, P.,
O'Neill, D., Oliver, J., Peterson, K., Phunkhang, P., Pierre, N.,
Rachupka, A., Ramasamy, U., Raymond, C., Retta, R., Rise, C., Rogov, P.,
Roman, J., Schauer, S., Schupbach, R., Seaman, S., Severy, P., Smith, C.,
Spencer, B., Stange-Thomann, N., Stojanovic, N., Stubbs, M.,
Talamas, J., Testave, S., Theodore, J., Topham, K., Travers, M.,
Vassiliev, H., Venkataraman, V.S., Viel, R., Vo, A., Wilson, B., Wu, X.,
Wyman, D., Young, G., Zainoun, J., Zembek, L., Zimmer, A. and Zody, M.

Direct Submission

Submitted (20-MAY-2003) Whitehead Institute/MIT Center for Genome
Research, 320 Charles Street, Cambridge, MA 02141, USA
On May 20, 2003 this sequence version replaced gi:29501910.

COMMENT

All repeats were identified using RepeatMasker:

Smit, A.F.A. & Green, P. (1996-1997)

<http://ftp.genome.washington.edu/RM/RepeatMasker.html>

Genome Center

Center: Whitehead Institute/ MIT Center for Genome Research

Center code: WIRB

Web site: <http://www-seq.wi.mit.edu>

Contact: sequence_submission@genome.wi.mit.edu

----- Project Information

Center project name: L21447

Center clone name: 3064_M_3

Only the last 152.4 kilobases of this clone are being submitted.
The remainder overlaps either accession number AC011676 [WICGR
project L3081] or accession number AC138647 [WICGR project L29199].

FEATURES

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Matches 557; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


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              complete cds.
ACCESSION   BC003105
VERSION     BC003105.1  GI:13111874
KEYWORDS    MGC.
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
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            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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REFERENCE   1 (bases 1 to 1329)
AUTHORS    Klausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G.,
            Strausberg, R.D., Collins, F.S., Wagner, L., Shennan, C.M., Schuler, G.D.,
            Altshuler, S.P., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K.,
            Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, P.,
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            Stapleton, M., Soares, M.B., Bonaldo, M.P., Casavant, T.L.,
            Scheetz, T.E., Brownstein, M.J., Ussdin, T.B., Toshiyuki, S.,
            Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J.,
            Abramson, R.D., Mullaly, S.J., Bosak, S.A., McEwan, P.J.,
            McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S.,
            Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W.,
            Villalón, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A.,
            Fahey, J., Helton, E., Kettman, M., Madan, A., Rodriguez, S.,
            Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y.,
            Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D.,
            Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M.,
            Butterfield, Y.S., Krzyzanski, M.I., Skalska, U., Smalusz, D.E.,
            Schnerk, A., Schein, J.E., Jones, S.J. and Marra, M.A.
            Generation and initial analysis of more than 15,000 full-length
            human and mouse cDNA sequences
            Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
            12477932
JOURNAL     2 (bases 1 to 1329)
PUBMED      Strausberg, R.
REFERENCE   Direct Submission
AUTHORS     Submitted (13-FEB-2001) National Institutes of Health, Mammalian
            Gene Collection (MGC), Cancer Genomics Office, National Cancer
            Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
            USA
REMARK      NIH-MGC Project URL: http://mgc.nci.nih.gov
COMMENT     Contact: MGC help desk
            Email: cgabs-r@mail.nih.gov
            Tissue Procurement: ATCC
            CDNA Library Preparation: Rubin Laboratory
            CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
            DNA Sequencing by: Genome Sequence Centre,
            BC Cancer Agency, Vancouver, BC, Canada
            info@bcgsc.bc.ca
            Steve Jones, Sarah Barber, Mabel Brown-John, Yaron Butterfield,
            Andy Chan, Steve S. Chand, William Chow, Allison Cloutier, Ruth
            Featherstone, Malachi Griffith, Obi Griffith, Ran Guin, Nancy Liao,
            Kim MacDonald, Amara Magoon, Mike R. Mayo, Josh Moran, Ryan Morin,
            Teika Olson, Diana Palmquist, Anca Petrescu, Anna Lilea Prabhu,
            Parvaneh Saedi, JR Santos, Angelique Schnerch, Ursula Skalska,
            Duane Smalusz, Jeff Stott, Miranda Tsai, George Yang, Jacques
            Schein, Asim Siddiqui, Rob Holt, Marco Marra.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAL Plate: 6 Row: a Column: 14
This clone was selected for full length sequencing because it
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ORIGIN
Query Match      56.9%; Score 337; DB 8; Length 1329;
Best Local Similarity 100.0%; Pred. No. 9.5e-78;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 376 TTATCCAAACAGTGGGAGCTTCTCCCCCACACCCAGTATTGTCACAAATTTGCG 435
Db 121 TTATCCAAACAGTGGGAGCTTCTCCCCCACACCCAGTATTGTCACAAATTTGCG 180

QY 436 GGGTATGGGGGGGGTTTTAAATCTCGTTTCTCTGGACAGCACAGGATCTCTCT 495
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QY 496 CTTCAATTTTGGGGGTGTGGGAGCTTCTCAGTCTGTGTCGCCAGCTTCTCTCAGT 555
Db 241 CTTCAATTTTGGGGGTGTGGGAGCTTCTCAGTCTGTGTCGCCAGCTTCTCTCAGT 300

QY 556 CCCTTCGCTCGCGGGCGGCGCTCGGGAGGCGCCATG 592
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RESULT 7
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LOCUS       CQ827376               1396 bp      DNA          linear      PAT 29-JUN-2004
DEFINITION  Sequence 9 from Patent WO2004050117.
ACCESSION   CQ827376
VERSION     CQ827376.1  GI:49455856
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            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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            Homnidae; Homo.
REFERENCE   1
AUTHORS     Meise, M., Eulenberg, K., Nguyen, T. and Teetsenis, T.
TITLE       Proteins involved in the regulation of energy homeostasis
            Patent: WO 2004050117-A 9 17-JUN-2004;
            DeveloGen Aktiengesellschaft fuer entwicklungsbiologische Forschung
            (DE)
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VERSION CQ716903.1 GI:42277760
KEYWORDS Homo sapiens (human)
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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE
AUTHORS Venter, C.J., Adams, M.C., Li, P.W. and Myers, E.W.
TITLE Kites, such as nucleic acid arrays, comprising a majority of
humanexons or transcripts, for detecting expression and other uses
thereof
JOURNAL Patent: WO 02068579-A 2837 06-SEP-2002;
PE Corporation (NY) (US)
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Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 AAGAGTTGGGTTTCTTTTAAATATCAACAGTGGGAGCTTCTCCCCACACCCA 60
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Db 61 AGTATTGGCACAAATATTGTGGGGGTATGGGGTGGTGTAAATCTCGTTTCTCTTG 120
Qy 473 GACAAGCACAGGATCTCGTTCTCTCAATTTTGGGGGTGTGGGGACTTCTCAGGTC 532
Db 121 GACAAGCACAGGATCTCGTTCTCTCAATTTTGGGGGTGTGGGGACTTCTCAGGTC 180
Qy 533 GTGTCCCGAGCTTCTCTGAGTCCCTTCTGCGGCGCCGTCGGGAGGCCCATG 592
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RESULT 12
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DEFINITION Sequence 135 from Patent WO2005054507.
ACCESSION CS113117
VERSION CS113117.1 GI:68224689
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE
AUTHORS Corfe, B. and Chirakkal, H.
TITLE Gene screen
JOURNAL Patent: WO 2005054507-A 135 16-JUN-2005;
University of Sheffield (GB)
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Best Local Similarity 100.0%; Pred. No. 3.5e-52;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 413 AGTATTGGCACAAATATTGTGGGGGTATGGGGTGGTGTAAATCTCGTTTCTCTTG 472
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Db 181 GTGTCCCGAGCTTCTCTGAGTCCCTTCTGCGGCGCCGTCGGGAGGCCCATG 240

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LOCUS CQ718557
DEFINITION Sequence 4491 from Patent WO02068579.
ACCESSION CQ718557
VERSION CQ718557.1 GI:42279414
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE
AUTHORS Venter, C.J., Adams, M.C., Li, P.W. and Myers, E.W.
TITLE Kites, such as nucleic acid arrays, comprising a majority of
humanexons or transcripts, for detecting expression and other uses
thereof
JOURNAL Patent: WO 02068579-A 4491 06-SEP-2002;
PE Corporation (NY) (US)
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Best Local Similarity 100.0%; Pred. No. 3.4e-52;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 AAGAGTTGGGTTTCTTTTAAATATCAACAGTGGGAGCTTCTCCCCACACCCA 60
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LOCUS AF041434 1006 bp mRNA linear PRI 09-AUG-1998
 DEFINITION Homo sapiens potentially prenylated protein tyrosine phosphatase hPRL-3 mRNA, complete cds.
 ACCESSION AF041434
 VERSION AF041434.1 GI:3406429
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 1006)
 AUTHORS Zeng, Q., Tan, Y.H. and Hong, W.
 TITLE Direct Submission
 JOURNAL Submitted (06-JAN-1998) Membrane Biology Laboratory, Institute of Molecular and Cell Biology, 30 Medical Drive, Singapore 117609, Singapore
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 Best Local Similarity 100.0%; Pred. No. 3.5e-52;
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 353 AAGAGTGGGTTTCTTTTAAATATCAAAACAGTGGGAGCTTCTCCCCACACCA 412
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 413 AGTATTGCAATATTGTGCGGGATGCGGGTGGGTTTAAATCTGTTCTCTTG 472
 61 AGTATTGCAATATTGTGCGGGATGCGGGTGGGTTTAAATCTGTTCTCTTG 120
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 DEFINITION Sequence 1 from patent US 6258582.
 ACCESSION AR162252
 VERSION AR162252.1 GI:16229398
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 1315)
 AUTHORS Acton, S.
 TITLE CSATP nucleic acid molecules and uses therefor
 JOURNAL Patent: US 6258582-A 1 10-JUL-2001;
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 DEFINITION Homo sapiens mRNA for protein tyrosine phosphatase hPRL-3, short form.
 ACCESSION AJ276554
 VERSION AJ276554.1 GI:26985935
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 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1
 AUTHORS Leveille, C., Stanchi, F., Pacchioni, B., Silvia, T., Frigimelica, E., Scannapieco, P., Corso, V., Blasio, B. and Lanfranchi, G.
 TITLE Full-length of some muscular transcripts, Telethon (Italy) project B41
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 963)
 AUTHORS Leveille, C.
 TITLE Direct Submission
 JOURNAL Submitted (10-MAR-2000) Ievolella C., CRIBI Biotechnology Centre, Universita' di Padova, via G. Colombo 3, 35121, ITALY
 COMMENT splice variant of AF041434.
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Matches 226; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 487 TCTGTTCTCTCATTATTTTGGGGTGTGTGGGACTTCTCAGTCTGTGCCAGCCTT 546
Db 121 TCTGTTCTCTCATTATTTTGGGGTGTGTGGGACTTCTCAGTCTGTGCCAGCCTT 180

Qy 547 CTCTGAGTCCCTTCTGCCCTGCCGCCCTGCCGAGGCGCATG 592
Db 181 CTCTGAGTCCCTTCTGCCCTGCCGCCCTGCCGAGGCGCATG 226

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 Job time : 3210 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 3, 2006, 05:39:33 ; Search time 3493 Seconds
(without alignments)
7929.560 Million cell updates/sec

Title: US-10-624-670-1

Perfect score: 592

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Scoring table: IDENTITY_NUC

Gapop 10_0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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10:	gb_ga82:*
11:	gb_ga83:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	555	93.8	1042	1	AL525371
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34	253.4	42.8	474	2	BG003094
35	245.8	41.5	465	2	BG003036
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37	221	37.3	547	2	BE257755
38	211	35.6	647	3	BM791220
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ALIGNMENTS

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LOCUS BX439784 Homo sapiens PLACENTA Homo sapiens cDNA clone CS0DE014VH13
DEFINITION 5-PRIME, mRNA sequence.
ACCESSION BX439784
VERSION BX439784.2 GI:47003679
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1 (bases 1 to 955)
AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On May 15, 2003 this sequence version replaced gi:30775779.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with NotI and cloned into the NotI and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized. Library was constructed by Life Technologies, a division of Invitrogen.
Location/Qualifiers
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Matches 554; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

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LOCUS AL525371 Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED Homo sapiens
DEFINITION cDNA clone CS0DC011YE02 5-PRIME, mRNA sequence.
ACCESSION AL525371
VERSION AL525371.3 GI:45700569
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 1042)
AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On Feb 13, 2001 this sequence version replaced gi:31063235.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Crémieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
Location/Qualifiers
1. 1042
/organism="Homo sapiens"
/mol_type="mRNA"
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sites of the pCMVSPORT 6 vector. Library was normalized."
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Best Local Similarity 99.6%; Pred. No. 2.5e-130;
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QY 576 CGTCGGGAGGCGCCATG 592
Db 843 CGTCGGGAGGCGCCATG 859
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RESULT 3

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DEFINITION 5-PRIME, mRNA sequence.
ACCESSION AL541981
VERSION AL541981.3 GI:45717557
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 1046)
AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On Feb 15, 2001 this sequence version replaced gi:30546679.
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Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: segre@genoscope.cns.fr, Web: www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library
was not normalized. Library was constructed by Life Technologies, a
division of Invitrogen.

Location/Qualifiers
1..1046
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DE007YN08"
/tissue_type="PLACENTA"
/clone_lib="Homo sapiens PLACENTA"
/note="Vector: pCMVSPORT 6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

FEATURES

source

ORIGIN

Query Match 93.8%; Score 555; DB 1; Length 1046;
Best Local Similarity 99.6%; Pred. No. 2.5e-130;
Matches 555; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 36 CTGGAGTTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGGCTGGGGGCCACC 95
DB |||||
QY 303 CTGGAGTTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGGCTGGGGGCCACC 362
DB |||||

QY 96 TCTGAGTGAAGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCGCCCGGCTGGG 155
DB |||||

QY 363 TCTGAGTGAAGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCGCCCGGCTGGG 422
DB |||||

QY 156 GTCCAGCTCTGACACTGTCTGGCGCGCGGTTCACCTTGAAGTTTAAAGTTTCTTTGC 215
DB |||||

QY 423 GTCCAGCTCTGACACTGTCTGGCGCGCGGTTCACCTTGAAGTTTAAATTTCTTTGC 482
DB |||||

QY 216 TGAGCTTTTGGTGTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 275
DB |||||

QY 483 TGAGCTTTTGGTGTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 542
DB |||||

QY 276 ACGGAGTTGAGTTGCCCGCTTACTTGGTGGTGGGGGGCGCGGCTGT 335
DB |||||

QY 543 ACGGAGTTGAGTTGCCCGCTTACTTGGTGGTGGGGGGCGCGGCTGT 602
DB |||||

QY 336 TGTTCCTTTTCTTTTAAAGTTGGTTCCTTTTAAATTTATCCAAACAGTGGGCAGC 395
DB |||||

QY 603 TGTTCCTTTTCTTTTAAAGTTGGTTCCTTTTAAATTTATCCAAACAGTGGGCAGC 662
DB |||||

QY 396 TTCTCTCCCCACACCCCAAGTATTTGCACAAATATTTGTGCGGGGTATGGGGTGGT 455
DB |||||

QY 663 TTCTCTCCCCACACCCCAAGTATTTGCACAAATATTTGTGCGGGGTATGGGGTGGT 722
DB |||||

QY 456 AAATCTCGTTTCTCTTGGACAAGCACAGGATCTCGTTCTCTCATTTTTTTGGGGGTGTG 515
DB |||||

QY 723 AAATCTCGTTTCTCTTGGACAAGCACAGGATCTCGTTCTCTCATTTTTTTGGGGGTGTG 782
DB |||||

QY 516 TGGGAGCTTCTCAGGTCTGCCAGCCTTCTCTGCACTCTCTGCGCCCTGCGCGGCC 575
DB |||||

QY 783 TGGGAGCTTCTCAGGTCTGCCAGCCTTCTCTGCACTCTCTGCGCCCTGCGCGGCC 842
DB |||||

QY 576 CGTCGGGAGGCGCCCATG 592
DB |||||

QY 843 CGTCGGGAGGCGCCCATG 859
DB |||||

RESULT 4

AL530939

LOCUS

DEFINITION

AL530939 Homo sapiens NEUROBLASTOMA COT 50-NORMALIZED Homo sapiens
1009 bp mRNA linear EST 24-MAR-2004

cDNA clone CSODD003YN11 5-PRIME, mRNA sequence.

ACCESSION AL530939
VERSION AL530939.3 GI:45705888

KEYWORDS EST.
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 1009)
AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT On Feb 13, 2001 this sequence version replaced gi:31068772.

Contact: Genoscope

Genoscope - Centre National de Sequencage

2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE

Email: segre@genoscope.cns.fr, Web: www.genoscope.cns.fr

1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime

end enriched, double-strand cDNA was digested with Not I and cloned

into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library

was not normalized. Library was constructed by Life Technologies, a

division of Invitrogen.

Location/Qualifiers

1..1009

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CSODD003YN11"

/tissue_type="NEUROBLASTOMA COT 50-NORMALIZED"

/note="1st strand cDNA was primed with a NotI-oligo(dT)

primer. Five prime end enriched, double-strand cDNA was

digested with Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 92.2%; Score 545.6; DB 1; Length 1009;
Best Local Similarity 99.6%; Pred. No. 6.3e-128;
Matches 556; Conservative 1; Mismatches 0; Indels 1; Gaps 1;

QY 36 CTGGAGTTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGGCTGGGGGCCACC 95
DB |||||

QY 303 CTGGAGTTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGGCTGGGGGCCACC 362
DB |||||

QY 96 TCTGAGTGAAGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCGCCCGGCTGGG 155
DB |||||

QY 363 TCTGAGTGAAGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCGCCCGGCTGGG 422
DB |||||

QY 156 GTCCAGCTCTGACACTGTCTGGCGCGCGGTTCACCTTGAAGTTTAAAGTTTCTTTGC 215
DB |||||

QY 423 GTCCAGCTCTGACACTGTCTGGCGCGCGGTTCACCTTGAAGTTTAAATTTCTTTGC 482
DB |||||

QY 216 TGAGCTTTTGGTGTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 275
DB |||||

QY 483 TGAGCTTTTGGTGTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 542
DB |||||

QY 276 ACGGAGTTGAGTTGCCCGCTTACTTGGTGGTGGGGGGCGCGGCTGT 335
DB |||||

QY 543 ACGGAGTTGAGTTGCCCGCTTACTTGGTGGTGGGGGGCGCGGCTGT 602
DB |||||

QY 336 TGTTCCTTTTCTTTTAAAGTTGGTTCCTTTTAAATTTATCCAAACAGTGGGCAGC 395
DB |||||

QY 603 TGTTCCTTTTCTTTTAAAGTTGGTTCCTTTTAAATTTATCCAAACAGTGGGCAGC 662
DB |||||

QY 396 TTCTCTCCCCACACCCCAAGTATTTGCACAAATATTTGTGCGGGGTATGGGGTGGT 455
DB |||||

QY 663 TTCTCTCCCCACACCCCAAGTATTTGCACAAATATTTGTGCGGGGTATGGGGTGGT 722
DB |||||

QY 456 AAATCTCGTTTCTCTTGGACAAGCACAGGATCTCGTTCTCTCATTTTTTTGGGGGTGTG 515
DB |||||

QY 723 AAATCTCGTTTCTCTTGGACAAGCACAGGATCTCGTTCTCTCATTTTTTTGGGGGTGTG 782
DB |||||

QY 516 TGGGGACTTCTCAGGTGTCGCCAGCCTTCTCTGAGTCCCTTCG - CCCTGCGGGC 574
 |||||
 Db 783 TGGGGACTTCTCAGGTGTCGCCAGCCTTCTCTGAGTCCCTTCG - CCCTGCGGGC 842
 |||||
 QY 575 CCCTGCGGGAGCGCCATG 592
 |||||
 Db 843 CCCTGCGGGAGCGCCATG 860
 |||||

RESULT 5
 AL542316 956 bp mRNA linear EST 24-MAR-2004
 LOCUS AL542316 Homo sapiens PLACENTA Homo sapiens cDNA clone CS0DE010Y23
 DEFINITION 5-PRIME, mRNA sequence.
 ACCESSION AL542316
 VERSION AL542316.3 GI:45717892
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homiidae; Homo.

REFERENCE
 1 (bases 1 to 956)
 Li, W.B., Gruber, C., Jesses, J. and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 On Feb 15, 2001 this sequence version replaced gi:30547347.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library
 was not normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.

FEATURES
 source
 1..956
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DE010Y23"
 /tissue_type="PLACENTA"
 /clone_lib="Homo sapiens PLACENTA"
 /note="Vector: pCMVSPORT 6; 1st strand cDNA was primed
 with a NotI-oligo(dT) primer. Five prime end enriched,
 double-strand cDNA was digested with Not I and cloned into
 the Not I and EcoRV sites of the pCMVSPORT 6 vector.
 Library was not normalized."

ORIGIN
 Query Match 92.1%; Score 545; DB 1; Length 956;
 Best Local Similarity 99.8%; Pred. No. 8.8e-128;
 Matches 556; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
 QY 36 CTGAGTTGTTTCAAGTTCAGTTCATCTCTGCGCCCTTGGGGCTTGGGGCCACC 95
 |||||
 Db 301 CTGAGTTGTTTCAAGTTCAGTTCATCTCTGCGCCCTTGGGGCTTGGGGCCACC 360
 |||||
 QY 96 TCTGAGTGAAGGGGGCTGTCTGCCATCCACCAATGTGGAGAGGGCGCCCGGTGTGGG 155
 |||||
 Db 361 TCTGAGTGAAGGGGGCTGTCTGCCATCCACCAATGTGGAGAGGGCGCCCGGTGTGGG 420
 |||||
 QY 156 GTCCAGCTCTGGACACTGCTTGGCGGGCGGGTTCACCTTGAAGTTTAAAGTTTCTTTC 215
 |||||
 Db 421 GTCCAGCTCTGGACACTGCTTGGCGGGCGGGTTCACCTTGAAGTTTAAAGTTTCTTTC 480
 |||||
 QY 216 TGAGCTTTTGGTGTCTTTTATTTTGGCTCTTATGACTATCCAGCTCTGAGAG 275
 |||||
 Db 481 TGAGCTTTTGGTGTCTTTTATTTTGGCTCTTATGACTATCCAGCTCTGAGAG 540
 |||||
 QY 276 ACGGAGTTTGGAGTTCGCCCTTTACTTTGGTGGTGGGGGGCGCGGGCTCTTT 335
 |||||

Db 541 ACGGAGTTTGGAGTTGCCCGCTTTACTTTGGTGGGTGGGGGGCGCGGGCTGT 600
 |||||
 QY 336 TGTTCCTTTTCTTTTAAAGTTCGGTTTCTTTTAAATATCCAAACAGTGGGCAGC 395
 |||||
 Db 601 TGTTCCTTTTCTTTTAAAGTTCGGTTTCTTTTAAATATCCAAACAGTGGGCAGC 660
 |||||
 QY 396 TTCTCTCCCGCCACACCCCAAGTATTGCAATATTTGTGCGGGGTATGGGGTGGT 455
 |||||
 Db 661 TTCTCTCCCGCCACACCCCAAGTATTGCAATATTTGTGCGGGGTATGGGGTGGT 720
 |||||
 QY 456 AAATCTCGTTTCTTTGGAAGCAGGAGTCTGTTCTCTCTCATTTTGGGGGTGTG 515
 |||||
 Db 721 AAATCTCGTTTCTTTGGAAGCAGGAGTCTGTTCTCTCTCATTTTGGGGGTGTG 780
 |||||
 QY 516 TGGGGACTTCTCAGGTGTCGCCAGCCTTCTCTGAGTCCCTTCTGCGCCCGGCC 575
 |||||
 Db 781 TGGGGACTTCTCAGGTGTCGCCAGCCTTCTCTGAGTCCCTTCTGCGCCCGGCC 839
 |||||

RESULT 6
 AL528298 953 bp mRNA linear EST 24-MAR-2004
 LOCUS AL528298
 DEFINITION CDNA clone CS0DC023YK24 5-PRIME, mRNA sequence.
 ACCESSION AL528298
 VERSION AL528298.3 GI:45703369
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homiidae; Homo.

REFERENCE
 1 (bases 1 to 953)
 Li, W.B., Gruber, C., Jesses, J. and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 On Feb 13, 2001 this sequence version replaced gi:31066148.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library
 was not normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.

FEATURES
 source
 1..953
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DC023YK24"
 /tissue_type="NEUROBLASTOMA COT 25-NORMALIZED"
 /clone_lib="Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and EcoRV sites of the Not I and EcoRV
 sites of the pCMVSPORT 6 vector. Library was not normalized."

ORIGIN
 Query Match 90.0%; Score 532.6; DB 1; Length 953;
 Best Local Similarity 99.5%; Pred. No. 1.3e-124;
 Matches 554; Conservative 1; Mismatches 1; Indels 2; Gaps 2;
 QY 36 CTGAGTTGTTTCAAGTTCAGTTCATCTCTGCGCCCTTGGGGCTTGGGGCCACC 95
 |||||
 Db 303 CTGAGTTGTTTCAAGTTCAGTTCATCTCTGCGCCCTTGGGGCTTGGGGCCACC 362
 |||||
 QY 96 TCTGAGTGAAGGGGGCTGTCTGCCATCCACCAATGTGGAGAGGGCGCCCGGTGTGGG 155
 |||||

363 TCTGAGTGAAGGGGCTGTCTCCCATCCACAAATGTGGAGAGGGCGCCCCGGGTGGG 422
 156 GTCCAGCTCTGACACTGCTTGGGGCGGGGTCTACTTGGATTTTAAAGTTTCTTTTC 215
 423 GTCCAGCTCTGACACTGCTTGGGGCGGGGTCTACTTGGATTTTAAAGTTTCTTTTC 482
 216 TGAGCTTTTGGTGTCTTTTATTTTGGCTTCTTATGACTATCCAGCTCTGAGAG 275
 483 TGAGCTTTTGGTGTCTTTTATTTTGGCTTCTTATGACTATCCAGCTCTGAGAG 542
 276 ACGGAGTTTGGAGTTGCCCGCTTTACTTGGTGGGTGGGGGGCGGGCGGTGTTT 335
 543 ACGGAGTTTGGAGTTGCCCGCTTTACTTGGTGGGTGGGGGGCGGGCGGTGTTT 602
 336 TGTTCCTTTCTTTTAAAGAGTTGGGTCTTTTAAATATCAACAGTGGGCGAGC 395
 603 TGTTCCTTTCTTTTAAAGAGTTGGGTCTTTTAAATATCAACAGTGGGCGAGC 662
 396 TTCTCCCCACACACCAAGTATTTGCACAAATTTTGGGGGTATGGGGGTGGGTTT 455
 663 TTCTCCCCACACACCAAGTATTTGCACAAATTTTGGGGGTATGGGGGTGGGTTT 722
 456 AAATCTCGTTTCTTTGACAAAGACACAGGATCTCTCTCTCTCTCTCTCTCTCT 515
 723 AAATCTCGTTTCTTTGACAAAGACACAGGATCTCTCTCTCTCTCTCTCTCTCT 782
 516 TGGGGACTTCTCAGTCTGCTGCTCCCGCTTCTGCGAGTCTCTGCTGCTGCTGCT 575
 783 TGGGGAC-TCTCAGTCTGCTGCTCCCGCTTCTGCGAGTCTCTGCTGCTGCTGCT 840
 576 CGTCGGAGGGCGCCATG 592
 841 CGTCGGAGGGCGCCATG 857

RESULT 7
 AL550979
 LOCUS
 DEFINITION AL550979 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CSODI065YD20 5-PRIME, mRNA sequence.
 AL550979
 AL550979.3 GI:45751340
 EST.
 SOURCE Homo sapiens (human)
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 954)
 Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 On Feb 15, 2001 this sequence version replaced gi:31272796.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Crémieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: segre@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with NotI and cloned into the NotI and EcoRV sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen.
 Location/Qualifiers
 1. .954
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CSODI065YD20"
 /tissue type="PLACENTA COT 25-NORMALIZED"
 /clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was

FEATURES

source
 1. .954
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CSODI065YD20"
 /tissue type="PLACENTA COT 25-NORMALIZED"
 /clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was

digested with NotI and cloned into the NotI and EcoRV sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN
 Query Match 89.1%; Score 527.6; DB 1; Length 954;
 Best Local Similarity 98.4%; Pred. No. 2.4e-123;
 Matches 549; Conservative 4; Mismatches 3; Indels 2; Gaps 2;
 QY 36 CTGAGTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGGCTTGGGGCCACCC 95
 Db 301 CTGAGTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGGCTTGGGGCCACCC 360
 QY 96 TCTGAGTGAAGGGGGCTGTCTGCCCCATCCACCAATGTGGAGAGGGCGCCCCGGTGGG 155
 Db 361 TCTGAGTGAAGGGGGCTGTCTGCCCCATCCACCAATGTGGAGAGGGCGCCCCGGTGGG 420
 QY 156 GTCCAGCTCTGGAACACTGCTTGGGGCGGGGTTCACCTTGGATTTTAAAGTTTCTTTTC 215
 Db 421 GTCCAGCTCTGGAACACTGCTTGGGGCGGGGTTCACCTTGGATTTTAAAGTTTCTTTTC 480
 QY 216 TGAGCTTTTGGTGTCTTTTATTTTGGCTTCTTATGACTATCCAGCTCTGAGAG 275
 Db 481 TGAGCTTTTGGTGTCTTTTATTTTGGCTTCTTATGACTATCCAGCTCTGAGAG 540
 QY 276 ACGGAGTTTGGAGTTGCCCGCTTTACTTTGGTGGGTGGGGGGCGGGCGGTGTTT 335
 Db 541 ACGGAGTTTGGAGTTGCCCGCTTTACTTTGGTGGGTGGGGGGCGGGCGGTGTTT 600
 QY 336 TGTTCCTTTCTTTTAAAGAGTTGGGTCTTTTAAATATCAACAGT-GGGCAG 394
 Db 601 TGTTCCTTTCTTTTAAAGAGTTGGGTCTTTTAAATATCAACAGTGGGGCAG 660
 QY 395 CTTCCTCCCCACACACCAAGTATTTGCACAAATTTTGTGGGGGTATGGGGGTGGGTTT 454
 Db 661 CTTCCTCCCCACACCAAGTATTTGCACAAATTTTGTGGGGGTATGGGGGTGGGTTT 720
 QY 455 TAAATCTCGTTTCTCTTGGACACAGAGGATCTCGTTCTCTCTCATTTTGGGGGTGT 514
 Db 721 TAAATCTCGTTTCTCTTGGACACAGAGGATCTCGTTCTCTCTCATTTTGGGGGTGT 780
 QY 515 GTGGGAGACTTCTCAGTCTGCTGCCAGCCCTTCTCTCAGTCTCTCTGCGCCGCGGC 574
 Db 781 GTGGGAGACTTCTCAGTCTGCTGCCAGCCCTTCTCTCAGTCTCTCTGCGCCGCGGC 839
 QY 575 CCCTCGGGAGGGCGCCATG 592
 Db 840 CCCTCGGGAGGGCGCCATG 857

RESULT 8

BI767860
 LOCUS
 DEFINITION 603060979F1 NIH MGC_122 Homo sapiens cDNA clone IMAGE:5210323 5', mRNA sequence.

ACCESSION

BI767860
 BI767860.1 GI:15759438

KEYWORDS

EST.
 Homo sapiens (human)

SOURCE

Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

1 (bases 1 to 868)
 NIH-MGC <http://mgc.nci.nih.gov/>.

AUTHORS

National Institutes of Health, Mammalian Gene Collection (MGC)

TITLE

Unpublished (1999)

JOURNAL

Contact: Robert Strausberg, Ph.D.
 Email: cgabs@mail.nih.gov

COMMENT

Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.

DNA Sequencing by: Incyte Genomics, Inc.
 Clone distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM1527 row: n column: 20
High quality sequence stop: 848.
Location/Qualifiers

FEATURES

source
1. 868
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5210323"
/lab_host="DH10B"
/clone_lib="NIH MGC 122"
/notes="Organ: pooled lung and spleen; Vector: pCMV-SPORT6; Site 1: NotI; Site 2: EcoRV (destroyed); RNA source anonymous pool of 24 week female lung, 16 week female spleen, and 20-22 week male spleens. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 026. Note: this is a NIH_MGC Library."

ORIGIN

Query Match 85.1%; Score 503.6; DB 3; Length 868;
Best Local Similarity 97.8%; Pred. No. 3.1e-117; Indels 3; Gaps 3;
Matches 542; Conservative 0; Mismatches 9

QY 36 CTGGAGTTGGTTCAGTTCAAGTTTCCTTCCTGCGCCCTTGGGGGCTTGGGGCCACC 95
DB 316 CTGGAGTTGGTTCAGTTCAAGTTTCCTTCCTGCGCCCTTGGGGGCTTGGGGCCACC 375

QY 96 TCTGAGTGAAGGGGCTGTGCGCCATCCCAATATGTGGAGAGGGGCCCCGGTGTGG 155
DB 376 TCTGAGTGAAGGGGCTGTGCGCCATCCCAATATGTGGAGAGGGGCCCCGGTGTGG 435

QY 156 GTCCAGCTCGGACACTGCTTGGCGCGGGTTCACCTTCAGTTTAACTTTCTTTTC 215
DB 436 GTCCAGCTCGGACACTGCTTGGCGCGGGTTCACCTTCAGTTTAACTTTCTTTTC 495

QY 216 TGAGCTTTTGTGTTGTTCTTTTATTTTGTGCTCTTTATGACTATCCAGCTCTGAGAG 275
DB 496 TGAGCTTTTGTGTTGTTCTTTTATTTTGTGCTCTTTATGACTATCCAGCTCTGAGAG 555

QY 276 ACGGAGTTTGGAGTTGCGCGCTTACTTGGTTGGTTGGGGGGGCGCGGGCTGTTT 335
DB 556 ACGGAGTTTGGAGTTGCGCGCTTACTTGGTTGGTTGGGGGGGCGCGGGCTGTTT 615

QY 336 TGTTCCTTTTCTTTTAAAGTTGGTTTCTTTTAAATATCCAAACAGTGGCGCAGC 395
DB 616 TGTTCCTTTTCTTTTAAAGTTGGTTTCTTTTAAATATCCAAACAGTGGCGCAGC 675

QY 396 TTCTCTCCCCCACCACCAAGTATTTGACAAATATTTGTGCGGGGTATGGGGT -GGGTTTT 454
DB 676 TTCTCTCCCCCACCACCAAGTATTTGACAAATATTTGTGCGGGGTATGGGGTATGGGCTCT 735

QY 455 TAAATCTGTTTCTTTTGGACAGACAGGATCTGTTCTCTCTCATTTTTCGGGGTGT 514
DB 736 CAAATCTGTTTCTTTTGGACAGACAGGATCTGTTCTCTCTCA -TTTAAAGGGGGTGT 794

QY 515 GTGGGACATCTCAGTTCGTTGCCAGCTTCTCTGAGTCCTTCTGCGCTTCCGCGGGC 574
DB 795 GTGGGACATCTCAGTTCGTTGCCAGCTTCTCTGAGTCCTTCTGCGCTTCCGCGGGC -853

QY 575 CCCTCGGGAGGCGC 588
DB 854 CCCTCGGGAGGCGC 867

RESULT 9
CX759082 706 bp mRNA linear EST 24-JAN-2005
LOCUS AGENCOURT_41357736 NIH_MGC_279 Homo sapiens cDNA clone
DEFINITION

ACCESSION VERSION KEYWORDS SOURCE ORGANISM

IMAGE:7775009 3', mRNA sequence.
CX759082
CX759082.1 GI:58055738
EST.
Homo sapiens (human)
Homo sapiens
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 706)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Daniela S. Gerhard, Ph.D.
Office of Cancer Genomics
National Cancer Institute / NIH
Bldg. 31 Rm10A07 Bethesda, MD 20892
Email: gcgabs-r@mail.nih.gov
Tissue Procurement: Meri Firpo
cDNA Library Preparation: Express Genomics
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM1521 row: 1 column: 15
High quality sequence stop: 677.
Location/Qualifiers

FEATURES

source
1. 706
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:7775009"
/tissue_type="pluripotent cell line derived from blastocyst inner cell mass"
/lab_host="DH10B Tona"
/clone_lib="NIH MGC 279"
/note="Organ: Blastocyst; Vector: pExpress-1; Site 1: EcoRV; Site 2: NotI; RNA obtained from pluripotent cell line derived from blastocyst inner cell mass (cell line HSF-1.14, NIH Registry designation UC01. Positive for OCT4 expression by rtPCR, positive for SSEA-3, SSEA-4, Tra-1-81, Tra-1-60 by immunofluorescence. Negative for SSEA-1 by immunofluorescence. Passage 35. This line is a subclone of the parental line; the parental line was subcloned to remove aneuploid cells). cDNA was primed using oligo-dT primer:
5'-pGACTAGTCTAGTCGAGCGCGCCCT(T)25-3' and cloned into the EcoRV/NotI sites of pExpress-1. Size-selection >1.25 kb resulted in an average insert size of 1.82 kb. This primary library is normalized (non-normalized primary library is NIH_MGC_278) and was constructed by Express Genomics (Frederick, MD). Note: this is a Mammalian Gene Collection library."

ORIGIN

Query Match 84.8%; Score 502; DB 8; Length 706;
Best Local Similarity 100.0%; Pred. No. 7.5e-117; Indels 0; Gaps 0;
Matches 502; Conservative 0; Mismatches 0

QY 91 CCACCTCTCAGTCAAGGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCGCCCGGT 150
DB 1 CCACCTCTCAGTCAAGGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCGCCCGGT 60

QY 151 GTGGGGTCCAGTCTGGACACCTGCTTGGCGGGGTTTCACTTTGAGTTTAAAGTTTTC 210
DB 61 GTGGGGTCCAGTCTGGACACCTGCTTGGCGGGGTTTCACTTTGAGTTTAAAGTTTTC 120

QY 211 TTTGCTGAGCTTTTGGTGTCTTTTATTTTGGCTCTTTATGACTATCCAGTCT 270
DB 121 TTTGCTGAGCTTTTGGTGTCTTTTATTTTGGCTCTTTATGACTATCCAGTCT 180

QY 271 GAGAGACGGGAGTTTGGAGTTGCGCCCTTACTTTTGGTTGGGGGGGCGCGGGC 330

Db 181 GAGACACGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTGGGGGGGGCGCGGC 240
 Qy 331 TGTCTTGTCTCTTTCTTTTAAAGTTGGGTTTCTTTTAAATATCCAAACAGTGG 390
 Db 241 TGTCTTGTCTCTTTCTTTTAAAGTTGGGTTTCTTTTAAATATCCAAACAGTGG 300
 Qy 391 GCAGCTTCTCTCCCAACACCCCAAGTATTTGCACAATATTTGTGCGGGGTATGGGGTGGG 450
 Db 301 GCAGCTTCTCTCCCAACACCCCAAGTATTTGCACAATATTTGTGCGGGGTATGGGGTGGG 360
 Qy 451 TTTTAAATCTCGTTTCTCTTGGACAAGCAGGAGTCTCGTCTCTCTCAATTTTGGGG 510
 Db 361 TTTTAAATCTCGTTTCTCTTGGACAAGCAGGAGTCTCGTCTCTCTCAATTTTGGGG 420
 Qy 511 GTGTGTGGGGACTTCTCAGTGTCTGCCAGCTTCTCTGAGTCCCTTCTGCGCTGCC 570
 Db 421 GTGTGTGGGGACTTCTCAGTGTCTGCCAGCTTCTCTGAGTCCCTTCTGCGCTGCC 480
 Qy 571 GGGCCCGTCGGAGCGGCCATG 592
 Db 481 GGGCCCGTCGGAGCGGCCATG 502

RESULT 10
 AL554544 947 bp mRNA linear EST 30-MAR-2004
 LOCUS
 DEFINITION AL554544 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
 clone: CS01083YD16 5-PRIME, mRNA sequence.

ACCESSION
 VERSION AL554544
 KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominiidae; Homo.

REFERENCE
 1 (bases 1 to 947)
 Li W.B., Gruber C., Jessee J. and Polayes D.
 Full-length cDNA libraries and normalization
 On Feb 15, 2001 this sequence version replaced gi:31276354.

COMMENT
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.

FEATURES
 Location/Qualifiers

1..947
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS01083YD16"

/tissue_type="PLACENTA COT 25-NORMALIZED"
 /clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and EcoR V sites of the Not I and EcoR V
 sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 83.8%; Score 495.8; DB 1; Length 947;
 Best Local Similarity 93.2%; Pred. No. 3e-115;
 Matches 521; Conservative 24; Mismatches 11; Indels 3; Gaps 3;

Qy 36 CTGGAGTTGTTCAAGTTCAATTTCTCTCTGCGCCCTTGGGGCTTGGGGCCACC 95
 Db 303 CTGGAGTTGTTCAAGTTCAATTTCTCTCTGCGCCCTTGGGGCTTGGGGCCACC 362

Qy 96 TCTGAGTGAAGGGGCTGTCTGCCATCCACAATGTGGAGAGGGCGCCCGGTGTGGG 155
 Db 363 TCTTARTGAAGGGGCTGTCTGCCATCCACAATGTGGAGAGGGCGCMCGGTGTGGG 422
 Qy 156 GTCCAGCTCTGGACAACCTGCTTGGCGGGGGTTCACCTTGTAGTTTTTAAAGTTCTTTTGC 215
 Db 423 GTCCARMTMTGGACAMTGTCTTGGCGGGGGTTCACCTTGAATATWTAAATAMWMTTGC 482
 Qy 216 TGAGCTTTTGGTGTGTCTTTTATTTTGGCTCTTTATGAC-TATCCAGCTCTGAGA 274
 Db 483 TGAGCTTTTGGTGTGTCTTTTATTTTGGCTCTTTATGAC-TATCCAGCTCTGAGA 542
 Qy 275 GACGGAGTTTGGAGTTGCCGCTTTACTTTGGTTGGTGTGGGGGGGGCGGGCTGTT 334
 Db 543 GAAAGGAGTTTGGAGTTGCCGCTTTACTTTGGTTGGTGTGGGGGGGGCGGGCTGTT 602
 Qy 335 TTGTTCTCTTTCTTTTAAAGAGTTGGTGTCTTTTAAATATCCAAACAGTGGCAG 394
 Db 603 TTGTTCTCTTTCTTTTAAAGAGTTGGTGTCTTTTAAATATCCAAACAGTGGCAG 662
 Qy 395 CTTCCTCCCAACACCCCAAGTATTTGCACATATTTGTGGGGGTATGGGGGTGGGTTT 454
 Db 663 CTTCCTCCCAACACCCCAAGTATTTGCACATATTTGTGGGGGTATGGGGGTGGGTTT 721
 Qy 455 TAAATCTCGTTTCTTTGGACAACACAGGATCTCGTTCTCTCTCATTTTTT-GGGGGTG 513
 Db 722 TAAATCTCGTTTCTTTGGACAACACAGGATCTCGTTCTCTCTCATTTTTTGGGGGTG 781
 Qy 514 TGTGGGAGCTTCTCAGTCTGTGTCCCGAGCTTCTCTGAGTCCCTTCTGCGCTTGCCTGCGGG 573
 Db 782 TGTGGGAGCTTCTCAGTCTGTGTCCCGAGCTTCTCTGAGTCCCTTCTGCGCTTGCCTGCGGG 841
 Qy 574 CCGCTCGGAGCGGCCATG 592
 Db 842 CCGCTCGGAGCGGCCATG 860

RESULT 11

BI771877

LOCUS

DEFINITION

60305278F1 NIH_MGC_122 Homo sapiens cDNA clone IMAGE:5204875 5',

mRNA sequence.

BI771877

ACCESSION

BI771877.1 GI:15763455

KEYWORDS

SOURCE

ORGANISM

REFERENCE

1 (bases 1 to 932)

NIH-MGC http://mgi.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

COMMENT

Contact: Robert Strausberg, Ph.D.

Email: sgabbs-r@mail.nih.gov

Tissue Procurement: Life Technologies, Inc.

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

Plate: LLMI1513 row: k column: 20

High quality sequence stop: 887.

FEATURES

Location/Qualifiers

1..932

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="IMAGE:5204875"

/lab_host="DH10B"

/clone_lib="NIH_MGC_122"


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Db      630 GTGGAGACCTCTCCGTCAGGAACCC 655

RESULT 13
LOCUS   AL549255
DEFINITION
AL549255 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0D1049YH08 5-PRIME, mRNA sequence.
ACCESSION
AL549255
VERSION
AL549255.3 GI:45749657
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE
1 (bases 1 to 904)
AUTHORS
Li, W.B., Gruber, C., Jesse, J. and Polayes, D.
TITLE
Full-length cDNA libraries and normalization
JOURNAL
Unpublished (2001)
COMMENT
On Feb 15, 2001 this sequence version replaced gi:31271075.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Crémieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(GT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
FEATURES
Location/Qualifiers
1..904
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0D1049YH08"
/tissue_type="PLACENTA"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/notes="1st strand cDNA was primed with a NotI-oligo(GT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
ORIGIN
Query Match 76.6%; Score 453.6; DB 1; Length 904;
Best Local Similarity 88.4%; Pred. No. 1.7e-104;
Matches 495; Conservative 23; Mismatches 39; Indels 3; Gaps 3;
QY 36 CTGAGTGGTTCAGTTCAAGTTCAATCTCTCTGCGCCCTTGGGGGCTTGGGGCCACC 95
Db 315 CTGAGTGGTTCAGTTCAAGTTCAATCTCTCTGCGCCCTTGGGGGCTTGGGGCCACC 374
QY 96 TCTGAGTGAAGGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCCGCCCGTGTGGG 155
Db 375 TCTGAGTGAAGGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCCGCCCGTGTGGG 434
QY 156 GTCCAGTCTGGACACAGTCTGGGGGGGGTTCACCTTGAAGTTTAAAGTTCTTTTGC 215
Db 435 GTCCAGTCTGGACACAGTCTGGGGGGGGTTCACCTTGAAGTTTAAAGTTCTTTTGC 494
QY 216 TGAGCTTTTGGTGTCTTTTATTTTATTTTGGCTTTATGATATCCAGCTCTGAGAG 275
Db 495 TGAGCTTTTGGTGTCTTTTATTTTATTTTGGCTTTATGATATCCAGCTCTGAGAG 554
QY 276 ACGGGAGTTGGAGTTGCCCGCTTTACTTTGGTTGGTTGGGGGGGGCGGGCGTGTGT 335
Db 555 AAGGGCGTTGGGGTTCACCCACTTAAATTTGGTTGGTTGGGGGGGGGSGSGCTGTT 614
QY 336 TGTTCCTTTTAAAGTGTGGTTTCTTTTAAATTTAAATTTAAATTTAAATTTAAATTT 393
Db 615 TGTTCCTTTTAAAGTGTGGTTTCTTTTAAATTTAAATTTAAATTTAAATTTAAATTT 674
QY 394 GCTTCTCTCCCCACACCCAGTATTTCACAATATTTGTGGGGGTATGGGGGTGGGTTT 453

Db      675 RCTTCTCCCCCACACCAATATTTGCAAAATATTTGTGGGGGTATGGGGGTGGGTTT 734
QY 454 TTAATCTCGTTTCTTCTTGGACAGACAGGATCTCTCTCTCTCTCTCTCTCTCTCTCT 512
Db 735 TTAATCTCGTTTCTTCTTGGACAGACAGGATCTCTCTCTCTCTCTCTCTCTCTCTCT 794
QY 513 GTGGGGGACTTCTCAGTCTGTGCCAGCCTTCTCTGAGTCCCTTCTGCCCCTGCCGG 572
Db 795 GTGGGGGACTTCTCAGTCTGTGCCAGCCTTCTCTGAGTCTCTCTGAGTCTCTCTGCCC 854
QY 573 GCCCGTCGGAGGCGCCCATG 592
Db 855 GCCCGTCGGAGGCGCCCATG 874

RESULT 14
LOCUS   BI770311
DEFINITION
603056215F1 NIH_MGC_122 Homo sapiens cDNA clone IMAGE:5205698 5',
mRNA sequence.
ACCESSION
BI770311
VERSION
BI770311.1 GI:15761889
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE
1 (bases 1 to 940)
AUTHORS
NIH-MGC http://mgc.nci.nih.gov/
TITLE
National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL
Unpublished (1999)
COMMENT
Contact: Robert Strausberg, Ph.D.
Email: cgabs@emil.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM1515 row: n column: 03
High quality sequence stop: 862.
FEATURES
Location/Qualifiers
1..940
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5205698"
/lab_host="DH10B"
/clone_lib="NIH MGC 122"
/notes="Organ: pooled lung and spleen; Vector: pCMV-SPORT6;
Site 1: NotI; Site 2: EcoRV (destroyed); RNA source
anonymous pool of 24 week female lung, 16 week female
spleen, and 20-22 week male spleens. Library is oligo-dT
primed and directionally cloned (EcoRV site is destroyed
upon cloning). Average insert size 1.4 kb, insert size
range 1-3 kb. Library is normalized and enriched for
full-length clones and was constructed by C. Gruber
(Invitrogen). Research Genetics tracking code 026. Note:
this is a NIH_MGC Library."
ORIGIN
Query Match 76.6%; Score 453.4; DB 3; Length 940;
Best Local Similarity 94.3%; Pred. No. 1.9e-104;
Matches 525; Conservative 0; Mismatches 26; Indels 6; Gaps 5;
QY 36 CTGAGTGGTTCAGTTCAAGTTCAATCTCTCTGCGCCCTTGGGGGCTTGGGGCCACC 95
Db 327 CTGAGTGGTTCAGTTCAAGTTCAATCTCTCTGCGCCCTTGGGGGCTTGGGGCCACC 386
QY 96 TCTGAGTGAAGGGGGCTGTCTGCCCATCCACCAATGTGGAGAGGGCGGCCCGTGTGGG 155

```

[illegible]

RESULT 15

BI834269	861 bp	mrna	linear	EST 04-OCT-2001
LOCUS	603084178F1	NIH_MGC_120	Homo sapiens cDNA clone IMAGE:5223331	5',
DEFINITION	mRNA sequence.			
ACCESSION	BI834269			
VERSION	BI834269.1	GI:15945819		
KEYWORDS	EST.			
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo.			
REFERENCE	1 (bases 1 to 861)			
AUTHORS	NIH-MGC http://mgc.nci.nih.gov/ .			
TITLE	National Institutes of Health, Mammalian Gene Collection (MGC)			
JOURNAL	Unpublished (1999)			
COMMENT	Contact: Robert Strausberg, Ph.D.			

FEATURES
SOURCE

pcmv-SpO2s, Site 1: Not1, Site 2: EcoRV (destroyed), RNA source anonymous pool of spleen and pancreas from 28 young male. Library is oligo-AT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.5 kb. Insert size range 1-2.5 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 025. Note: this is a NIH MGC Library."

ORIGIN

Query Match		76.1%;	Score 450.8;	DB 3;	Length 861;	
Best Local Similarity		96.1%;	Pred. No. 8.6e-104;			
Matches 537; Conservative		0;	Mismatches 13;	Indels	9;	Gaps 7;
Qy	36	CTGGAGTTGGTTCAGATTCAAGTTCAATCTTCCTCTGCCCCCTCGGGGCTGTGGGGCCACC	95			
Dd	247	CTGGAGTTGGTTCAGTTCAAGTTCAATCTTCCTCTGCCCCCTCGGGGCTGTGGGGCCACC	306			
Qy	96	TCTGAGTGAAAGGGGCTGTCTGCCAATCCACCAATGTGGAGAGGGGCCCCCCGGTGTGGG	155			
Dd	307	TCTGAGTGAAAGGGGCTGTCTGCCAATCCACCAATGTGGAGAGGGGCCCCCCGGTGTGGG	366			
Qy	156	GTCACGCTCGGACACTGCTTGGCGCGCGGTTCACCTTGAGTTTTTAAGTTTCTTTTGC	215			
Dd	367	GTCACGCTCGGACACTGCTTGGCGG-CGGGTTCACTTTGAGTTTTTAAGTTTCTTTTGC	425			
Qy	216	TGAGCTTTTTTGGTGTGTCTTTTTATATTTTTGGCCTCTTTATGACTATCCAGCTCTGAGAG	275			
Dd	426	TGAGCTTTTTTGGTGTGTCTTTTTATATTTTTGGCCTCTTTATGACTATCCAGCTCTGAGAG	485			
Qy	276	ACGGGAGTTTGGAGTTGCCCGCTTTACTTTGGTTGGTTGGGGGGGGCGCGGGCTGTTT	335			
Dd	486	ACGGGAGTTTGGAGTTGCCCGCTTTACTTTGGTTGGTTGGGGGGGGCGCGGGCTGTTT	545			
Qy	336	TGTTCTTTTTCTTTTTTAAGAGTTGGGTTTCTTTTTTAATATCAAACAAGTGGGCAGC	395			
Dd	546	TGTTCTTTTTCTTTTTTAAGAGTTGGGTTTCTTTTTTAATATCAAACAAGTGGGCAGC	605			
Qy	396	TTCTCTCCCACAECCAAGTATTGACAAATATTGTGCGGGGTATGGGGTGGGTTTTTT	455			
Dd	606	TTCTCTCCCCA-ACCCAAGTATTGAC-AAATATTGTCGGGGTATGGGGTGGGTTTTTT	663			
Qy	456	AAATCTCGTTCTCTTGGACACGACGAGGATCTCGTCTCTCTCATTTTTTGG-GGGTGT	514			
Dd	664	AAATCTCG-TTCTCTTGGACACGACGAGGATCTCGTCTCTCTCATTTTTTGGCGGGTGT	722			
Qy	515	GTGGGGAATCTCTCAGTGTGGT---TCCCCAGCGCTTCTCTGCAGTCCCTCTCGCCCTGCCG	571			
Dd	723	GTGGGGAATCTCTCAGGTCGTGTTCCCCAGCTTCTCTTGAGTCCCTCTCGCCCTGCCG	782			
Qy	572	GGCCCGTCGGAGGGCGCA	590			
Dd	783	GG-CCGTGGGAGGGCGCA	800			

Search completed: April 3, 2006, 06:38:18
Job time : 3498 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 3, 2006, 05:39:30 ; Search time 467 Seconds
(without alignments)
8448.604 Million cell updates/sec

Title: US-10-624-670-1

Perfect score: 592

Sequence: 1 ctatagggaacgctgtgtcg.....gcccgtagggagcgccatg 592

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

N_Geneseq 21:*

1: Geneseq1980s:*

2: Geneseq1990s:*

3: Geneseq2000s:*

4: Geneseq2001as:*

5: Geneseq2001bs:*

6: Geneseq2002as:*

7: Geneseq2002bs:*

8: Geneseq2003as:*

9: Geneseq2003bs:*

10: Geneseq2003cs:*

11: Geneseq2003ds:*

12: Geneseq2004as:*

13: Geneseq2004bs:*

14: Geneseq2005s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	592	100.0	592	12	ADJ57079 Metastati
2	557	94.1	1692	10	ADQ99124 Human KPP
3	557	94.1	2181	12	ADQ22123 Human sof
4	557	94.1	2850	6	ABL92112 Human Tum
5	557	94.1	2850	10	ABX72037 DNA encod
6	555	93.8	909	12	ADJ28112 Human PRL
7	551	93.1	986	12	ADJ57080 Metastati
8	410.6	69.4	1859	10	ADC99125 Human KPP
9	337	56.9	1320	11	ADN95384 Human BEC
10	337	56.9	1321	12	ADI28097 Human pro
11	337	56.9	1321	12	ADI57209 Human PRL
12	337	56.9	1321	12	ADP21390 Gene PTP4
13	337	56.9	1396	12	ADJ28111 Human pro
14	337	56.9	1396	12	ADN75973 Human sig
15	337	56.9	1396	12	ADP20802 Human pro
16	334	56.4	334	13	ADL12326 Human pro
17	310	52.4	982	10	ACA56395 Human sig
18	310	52.4	982	12	ADI56191 Human pol
19	310	52.4	984	2	AAV29127 HPTP-2 CO

20	274.4	46.4	671	12	ADI28113	Adi28113 Human PRL
21	240	40.5	462	12	ADQ17386	Adq17386 Human sof
22	240	40.5	1006	12	ADI28332	Adi28332 Human pro
23	240	40.5	1006	14	ABA36203	Aba36203 Human nuc
24	236.4	39.9	358	3	AAA43595	Aaa43595 Human sec
25	234	39.5	1315	3	AAA09025	Aaa09025 Human CSA
26	221	37.3	773	12	ADO26263	Ado26263 C35 promo
27	139	23.5	1678	12	ADI28192	Adi28192 Mouse CDN
28	131.4	22.2	3222	12	ADI28104	Adi28104 Mouse CDN
29	64	10.8	527	14	ACL56361	AcL56361 Human col
30	58	9.8	396	13	ACN63020	AcN63020 Cotton ca
31	52.8	8.9	363	13	ACN45489	AcN45489 Cotton pr
32	52.8	8.9	1260	6	ABQ16903	Abq16903 Oligonuel
33	52.8	8.9	1260	6	ABQ16902	Abq16902 Oligonuel
34	52	8.8	7758	6	ABL33103	AbL33103 Human imm
35	51.2	8.6	192	13	ACN50408	AcN50408 Cotton ma
36	51	8.6	629	10	ABT21705	Abt21705 Breast ca
37	50.8	8.6	7698	6	ABL33700	AbL33700 Human imm
38	50.4	8.5	1025	6	ABQ25831	Abq25831 Oligonuel
39	50.4	8.5	1025	6	ABQ25830	Abq25830 Oligonuel
40	49.2	8.3	509	6	ABQ18800	Abq18800 Oligonuel
41	49.2	8.3	509	6	ABQ18801	Abq18801 Oligonuel
42	48.8	8.2	7721	14	AEA18095	Aea18095 Converted
43	48.6	8.2	565	6	ABQ17072	Abq17072 Oligonuel
44	48.6	8.2	565	6	ABQ17073	Abq17073 Oligonuel
45	48.6	8.2	5203	10	ADB54278	AdB54278 Pretreate

ALIGNMENTS

RESULT 1

ADJ57079
ID ADJ57079 standard; DNA; 592 BP.

AC ADJ57079;

DT 06-MAY-2004 (first entry)

DE Metastatic colon cancer-specific transcriptional regulatory element.

KW Human; PRL-3; promoter; transcriptional regulatory element; gene therapy; colon cancer; metastasis; cytostatic; gene therapy; ds.

OS Homo sapiens.

XX WO2004009790-A2.

XX 29-JAN-2004.

XX 22-JUL-2003; 2003WO-US023032.

XX 22-JUL-2002; 2002US-0397859P.

XX (CELL-) CELL GENESYS INC.

XX Li Y, Yu DC;

XX WPI; 2004-123388/12.

XX New colon cancer transcriptional regulatory element (TRE) sequence that is specific for metastatic colon cancer cells, useful as a promoter for specific virus replication.

XX Claim 4; SEQ ID NO 1; 39pp; English.

XX The present sequence is that of a colon cancer transcriptional regulatory element (TRE) derived from the human PRL-3 gene in the region upstream of the translational start codon. The PRL-3 protein tyrosine phosphatase gene is specifically expressed at a high level in metastatic colon cancers. The invention provides replication-competent adenoviral vectors comprising the present sequence operably linked to a gene required for virus replication. Methods are provided for introducing into a cell an

QY 216 TGAGCTTTTGGTCTCTTTTATTTTGGCTTTATGACTATCCAGCTCTGAGAG 275
DB 660 TGAGCTTTTGGTCTCTTTTATTTTGGCTTTATGACTATCCAGCTCTGAGAG 719
QY 276 ACGGAGTTTGAGTTGGCCCGCTTTACTTTGGTTGGGGGGGGGGGGGGCTGTTT 335
DB 720 ACGGAGTTTGAGTTGGCCCGCTTTACTTTGGTTGGGGGGGGGGGGGGCTGTTT 779
QY 336 TGTCTCTTTCTTTTAAAGTTGGGTTTCTTTTAAATTTATCCAAACAGTGGGCAGC 395
DB 780 TGTCTCTTTCTTTTAAAGTTGGGTTTCTTTTAAATTTATCCAAACAGTGGGCAGC 839
QY 396 TTCCTCCCCACACCAAGTATTGACAAATTTGTCGGGGGTATGGGGGTGGGTTT 455
DB 840 TTCCTCCCCACACCAAGTATTGACAAATTTGTCGGGGGTATGGGGGTGGGTTT 899
QY 456 AAATCTCGTTTCTTTGGAACAGCAGGATCTCGTTCTCTCTATTTTGGGGGTGTG 515
DB 900 AAATCTCGTTTCTTTGGAACAGCAGGATCTCGTTCTCTCTATTTTGGGGGTGTG 959
QY 516 TGGGACTTCTCAGTCTGTGTCGCCAGCCTTCTCTGAGTCCCTTCTGCGGCGCC 575
DB 960 TGGGACTTCTCAGTCTGTGTCGCCAGCCTTCTCTGAGTCCCTTCTGCGGCGCC 1019
QY 576 CGTCGGAGGGGCCCATG 592
DB 1020 CGTCGGAGGGGCCCATG 1036

RESULT 3

ID ADQ22123 standard; DNA; 2181 BP.

AC ADQ22123;

DT 26-AUG-2004 (first entry)

XX Human soft tissue sarcoma-upregulated DNA - SEQ ID 4943.

XX soft tissue sarcoma; cytostatic; gene therapy; vaccine; screening; human;
KW ds.

XX Homo sapiens.

XX WO2004048938-A2.

XX 10-JUN-2004.

XX 26-NOV-2003; 2003WO-US038193.

XX 26-NOV-2002; 2002US-0429739P.

XX (PROT-) PROTEIN DESIGN LABS INC.

XX Aziz N, Ginsburg WM, Zlotnik A;

XX WPI; 2004-441208/41.

XX Early detection of soft tissue sarcoma comprises determining expression
PT of a gene in a first soft tissue sample and a normal soft tissue sample
PT and comparing the gene expression, also useful in treating soft tissue
PT sarcoma.

XX Example 2; SEQ ID NO 4943; 210pp; English.

XX The invention relates to a novel method for detecting soft tissue sarcoma
CC which comprises obtaining a first soft tissue sample from an individual
CC and a normal soft tissue sample from the same or different individual,
CC determining the expression of a gene in both samples and comparing the
CC expression of the gene in both soft tissue samples, where a higher level
CC of protein expression in the first soft tissue sample indicates the
CC presence of soft tissue sarcoma. The method of the invention has

CC cytostatic applications and may be useful for detecting soft tissue
CC sarcoma, possibly via gene therapy or vaccine production. The nucleic
CC acid sequences may be useful in diagnostic and screening applications.
CC The current sequence is that of a human soft tissue sarcoma-upregulated
CC DNA of the invention. The current sequence is not shown within the
CC specification per se but was submitted in CD format by the inventor.

XX Sequence 2181 BP; 512 A; 649 C; 546 G; 474 T; 0 U; 0 Other;

Query Match 94.1%; Score 557; DB 12; Length 2181;

Best Local Similarity 100.0%; Pred. No. 2.8e-133;

Matches 557; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 CTGAGTTGGTTCAGTTCAAGTTCATTTCTCTGCGCCCTTGGGGGTCTGGGCCCCACC 95

DB 316 CTGAGTTGGTTCAGTTCAAGTTCATTTCTCTGCGCCCTTGGGGGTCTGGGCCCCACC 375

QY 96 TCTGAGTGAAGGGGCTGTCTGCCCATCCACAAATGTGGAGAGGGCGCCCGGTGTGGG 155

DB 376 TCTGAGTGAAGGGGCTGTCTGCCCATCCACAAATGTGGAGAGGGCGCCCGGTGTGGG 435

QY 156 GTCAGCTCTGGAACATGCTTGGCGCGGGTTCATTTGAGTTTAAAGTTTCTTTTC 215

DB 436 GTCCAGCTCTGGAACATGCTTGGCGCGGGTTCATTTGAGTTTAAAGTTTCTTTTC 495

QY 216 TGAGCTTTTGGTGTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 275

DB 496 TGAGCTTTTGGTGTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 555

QY 276 ACGGAGTTTGGAGTTGCCCGCTTTACTTTGGTTGGGGTGGGGGGGGGGGGCTGTTT 335

DB 556 ACGGAGTTTGGAGTTGCCCGCTTTACTTTGGTTGGGGTGGGGGGGGGGGGCTGTTT 615

QY 336 TGTTCCTTTCTTTTAAAGTTGGGTTTCTTTTAAATTTATCCAAACAGTGGGCAGC 395

DB 616 TGTTCCTTTCTTTTAAAGTTGGGTTTCTTTTAAATTTATCCAAACAGTGGGCAGC 675

QY 396 TTCTCTCCCCACACCAAGTATTGCAATATTTGTCGGGGGTATGGGGGTGGGTTT 455

DB 676 TTCTCTCCCCACACCAAGTATTGCAATATTTGTCGGGGGTATGGGGGTGGGTTT 735

QY 456 AAATCTCGTTTCTCTGGAACAGCAGGATCTCTCTCTCTCATTTTGGGGGTGTG 515

DB 736 AAATCTCGTTTCTCTGGAACAGCAGGATCTCTCTCTCTCATTTTGGGGGTGTG 795

QY 516 TGGGACTTCTCAGTCTGTGTCGCCAGCCTTCTCTGAGTCCCTTCTGCGGCGCC 575

DB 796 TGGGACTTCTCAGTCTGTGTCGCCAGCCTTCTCTGAGTCCCTTCTGCGGCGCC 855

QY 576 CGTCGGAGGGGCCCATG 592

DB 856 CGTCGGAGGGGCCCATG 872

RESULT 4

ABL92112
ID ABL92112 standard; cDNA; 2850 BP.

XX ABL92112;

XX 30-MAY-2002 (first entry)

XX Human Tumour Endothelial Marker polynucleotide SEQ ID NO 247.

XX Human; mouse; rat; TEM; tumour endothelial marker; NEM; PEM; cytostatic;
XX normal endothelial marker; pan-endothelial marker; immunostimulant;
XX antiangiogenic; tumour; neoangiogenesis; vascularised tumour;
XX polycystic kidney disease; diabetes; retinopathy; rheumatoid arthritis;
XX psoriasis; gene; ss.

XX Homo sapiens.

XX WO200210217-A2.

XX PD 07-FEB-2002.
XX PF 01-AUG-2001; 2001WO-US024031.
XX PR 02-AUG-2000; 2000US-0222599P.
XX PR 11-AUG-2000; 2000US-0224360P.
XX PR 11-APR-2001; 2001US-0282850P.
XX PA (UYJO) UNIV JOHNS HOPKINS.
XX PI St Croix B, Kinzler KW, Vogelstein B;
XX DR WPI; 2002-291856/33.
XX DR P-PSDB; ABB90758.
XX PT An isolated molecule comprising an antibody variable region which
PT specifically binds to an extracellular domain of a tumor endothelial
PT marker (TEM) protein, useful for inhibiting tumor growth.
XX PS Claim 65; Page 240; 331pp; English.
XX CC The invention relates to an isolated molecule comprising an antibody
CC variable region which specifically binds to an extracellular domain of a
CC tumor endothelial marker (TEM) protein selected from ABB90732, ABB90740,
CC ABB90749, ABB90750 and ABB90769. The antibodies which bind to TEM
CC proteins have cytostatic, immunostimulant and antiangiogenic activity.
CC They are useful for inhibiting tumour growth, neoangiogenesis in subjects
CC bearing a vascularised tumour, polycystic kidney disease, diabetic
CC retinopathy, rheumatoid arthritis and psoriasis. Human, mouse and rat TEM
CC genes and the encoded proteins (ABL92075-ABL92141 and ABB90721-ABB90789)
CC are disclosed, as are marker oligonucleotide sequences: tumour
CC endothelial markers (TEM) ABL91986-ABL92041 and ABL92143-ABL92191; normal
CC endothelial markers (NEM) ABL92042-ABL92074; and pan-endothelial markers
CC (PEM) ABL91903-ABL91995
XX SQ Sequence 2850 BP; 452 A; 863 C; 916 G; 619 T; 0 U; 0 Other;
Query Match 94.1%; Score 557; DB 6; Length 2850;
Best Local Similarity 100.0%; Pred. No. 3e-133;
Matches 557; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 36 CTGGAGTTGGTTCAGTTCAAGTTCAATCTCTCTGCGCCCTTGGGGCTTGGGGCCACC 95
DB 345 CTGAGTTGGTTCAGTTCAAGTTCAATCTCTCTGCGCCCTTGGGGCTTGGGGCCACC 404
QY 96 TCTGAGTGAAGGGGCTGTCTGCCCATCCCAATGTGGAGAGGGCCGCCCGGTGTGG 155
DB 405 TCTGAGTGAAGGGGCTGTCTGCCCATCCCAATGTGGAGAGGGCCGCCCGGTGTGG 464
QY 156 GTCCAGCTCTGGACACTGCTTGGGGCGGGTTCACCTTTCAGTTTTCCTTTCTTGC 215
DB 465 GTCCAGCTCTGGACACTGCTTGGGGCGGGTTCACCTTTCAGTTTTCCTTTCTTGC 524
QY 216 TGAGCTTTTGGTGTCTTTTATTTTATTTTGTCTCTTATGACTATCCAGCTCTCAGAG 275
DB 525 TGAGCTTTTGGTGTCTTTTATTTTATTTTGTCTCTTATGACTATCCAGCTCTCAGAG 584
QY 276 ACGGAGTTTGGAGTTGCCCGCTTACTTTGTTGGTTGGGGGGCGCGCGCTGTGTT 335
DB 585 ACGGAGTTTGGAGTTGCCCGCTTACTTTGTTGGTTGGGGGGCGCGCGCTGTGTT 644
QY 336 TGTTCCTTTCTTTTAAAGAGTTGGTTTCTTTTATTTATTCACCAAGTGGGCAGC 395
DB 645 TGTTCCTTTCTTTTAAAGAGTTGGTTTCTTTTATTTATTCACCAAGTGGGCAGC 704
QY 396 TTCTCTCCACACACCAAGTATTTGGACATATTTGTGGGGGTATGGGGTGGGTTTTT 455
DB 705 TTCTCTCCACACACCAAGTATTTGGACATATTTGTGGGGGTATGGGGTGGGTTTTT 764
QY 456 AATCTCGTTCTCTTGGACACAGCAGGATCTCGTTCTCTCTCATTTTTTGGGGGTGTG 515
DB 765 AATCTCGTTCTCTTGGACACAGCAGGATCTCGTTCTCTCTCATTTTTTGGGGGTGTG 824

QY 516 TGGGGACTTCTCAGTGTGTGTCCTCCAGCCTTCTCTGCACTCCCTTCTGCGCGGCC 575
DB 825 TGGGGACTTCTCAGTGTGTGTCCTCCAGCCTTCTCTGCACTCCCTTCTGCGCGGCC 884
QY 576 CGTCGGAGGGCGCCCATG 592
DB 885 CGTCGGAGGGCGCCCATG 901
RESULT 5
ABX72037
ID ABX72037 standard; DNA; 2850 BP.
XX AC
XX ABX72037;
XX DT 12-MAR-2003 (first entry)
XX DE DNA encoding human tumour endothelial marker TEM 29.
XX KW Human; endothelial cell; EC; tumour endothelial cell; TEM; NEM;
KW Tumour endothelial marker; normal endothelial marker; PEM;
KW pan-endothelial marker; polycystic kidney disease; psoriasis;
KW diabetic retinopathy; rheumatoid arthritis; tumour angiogenesis;
KW neoangiogenesis; immune response; cytostatic; antidiabetic; gene;
KW ophthalmological; antirheumatic; antiarthritic; antipsoriatic; ds.
XX OS Homo sapiens.
XX PN WO200283874-A2.
XX PD 24-OCT-2002.
XX PF 10-APR-2002; 2002WO-US008253.
XX PR 11-APR-2001; 2001US-0282850P.
XX PR 06-FEB-2002; 2002US-0354262P.
XX PA (UYJO) UNIV JOHNS HOPKINS.
XX PI Carson-Walter E, St Croix B, Kinzler KW, Vogelstein B;
XX WPI; 2003-093016/08.
XX DR P-PSDB; ABUS4465.
XX PT New purified human transmembrane protein, designated as tumor endothelial
PT marker (TEM) 3, useful for detecting, diagnosing or treating tumors,
PT polycystic kidney disease, diabetic retinopathy, rheumatoid arthritis or
PT psoriasis.
XX PS Disclosure; Page 263-264; 374pp; English.
XX CC The present invention relates to a novel method for the isolation of
CC endothelial cells (ECs), and the identification of genes expressed in
CC normal and tumour ECs. Tumour endothelial marker (TEM), normal
CC endothelial marker (NEM), and pan-endothelial marker (PEM) genes are
CC identified in human ECs. The human EC marker proteins and the
CC polynucleotide sequences encoding them are useful for detecting,
CC diagnosing or treating tumours as well as polycystic kidney disease,
CC diabetic retinopathy, rheumatoid arthritis, and psoriasis. They are also
CC useful for inhibiting neoangiogenesis or tumour angiogenesis, for
CC inducing an immune response to tumour endothelial cells in a patient, or
CC for identifying candidate drugs for treating tumours. The present
CC sequence represents a human TEM or NEM gene of the invention
XX SQ Sequence 2850 BP; 452 A; 863 C; 916 G; 619 T; 0 U; 0 Other;
Query Match 94.1%; Score 557; DB 10; Length 2850;
Best Local Similarity 100.0%; Pred. No. 3e-133;
Matches 557; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 36 CTGGAGTTGGTTCAGTTCAAGTTCAATCTCTCTGCGCCCTTGGGGCTTGGGGCCACC 95

Db 345 CTGGAGTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGGCTTGGGGCCACC 404
QY 96 TCTGAGTGAAGGGGGTCTCTGCCATCCACCAATGTGGAGAGGGCGCCCGCTGTGGG 155
Db 405 TCTGAGTGAAGGGGGTCTCTGCCATCCACCAATGTGGAGAGGGCGCCCGCTGTGGG 464
QY 156 GTCCAGCTCTGGACACTGCTGTGGCGCGCGGTTCACTTTGAGTTTAAAGTTTCTTTC 215
Db 465 GTCCAGCTCTGGACACTGCTGTGGCGCGCGGTTCACTTTGAGTTTAAAGTTTCTTTC 524
QY 216 TGAGCTTTTGGTGTCTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 275
Db 525 TGAGCTTTTGGTGTCTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 584
QY 276 ACGGAGTTTGGAGTTGCGCGCTTACTTTGGTGGGTTGGGGCGCGCGGCTGTGTTT 335
Db 585 ACGGAGTTTGGAGTTGCGCGCTTACTTTGGTGGGTTGGGGCGCGCGGCTGTGTTT 644
QY 336 TGTTCCTTTCTTTTAAAGTGTGGTCTTTTAAATATCCAAACAGTGGGCAGC 395
Db 645 TGTTCCTTTCTTTTAAAGTGTGGTCTTTTAAATATCCAAACAGTGGGCAGC 704
QY 396 TTCTCTCCCCACACCAAGTATTTGACAAATATTTGCGGGTATGGGGGTGGGTTTTT 455
Db 705 TTCTCTCCCCACACCAAGTATTTGACAAATATTTGCGGGTATGGGGGTGGGTTTTT 764
QY 456 AAATCTCGTTTCTCTTGGCAAGCAGAGGATCTCGTTCTCTCTCAATTTTGGGGGTGG 515
Db 765 AAATCTCGTTTCTCTTGGCAAGCAGAGGATCTCGTTCTCTCTCAATTTTGGGGGTGG 824
QY 516 TGGGAGCTTCTCAGGTGCTGTCTCCAGCGCTTCTCTCAGTCTCCCTTCTGCGCGCGG 575
Db 825 TGGGAGCTTCTCAGGTGCTGTCTCCAGCGCTTCTCTCAGTCTCCCTTCTGCGCGCGG 884
QY 576 CGTCCGGAGGCCCATG 592
Db 885 CGTCCGGAGGCCCATG 901

RESULT 6

AD128112
ID AD128112 standard; cDNA; 909 BP.
AC AD128112;
DT 22-APR-2004 (first entry)
XX Human PRL3 cDNA #2 5' extension #1.
DE Human; antisense gene therapy; ss; PRL3;
KW protein tyrosine phosphatase type IVA member 3; colorectal cancer;
KW diabetes; glucose tolerance; insulin resistance; obesity;
KW hyperproliferative disorder; cytostatic.
XX Homo sapiens.
OS
XX
PN US2003235911-A1.
XX
PD 25-DEC-2003.
XX
PF 20-JUN-2002; 2002US-00177554.
XX
PR 20-JUN-2002; 2002US-00177554.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Dobie KW, Zhang H;
XX
XX WPI; 2004-070585/07.
XX
PT New antisense oligonucleotide, comprising a sequence targeted to a
PT nucleic acid encoding protein tyrosine phosphatase type IVA member 3 (PRL
PT -3), useful for preparing a composition for treating hyperproliferative

PT disorders, e.g., cancer.

XX Example 15; SEQ ID NO 19; 77bp; English.

CC The invention relates to a compound comprising a sequence comprising 8-80
CC base pairs (bp) targeted to a nucleic acid encoding protein tyrosine
CC phosphatase type IVA member 3 (PRL-3), that specifically hybridizes with
CC the nucleic acid encoding PRL-3 and inhibits expression of PRL-3, i.e. is
CC an antisense oligonucleotide (AO). Also included are a composition
CC comprising the compound and a carrier or diluent, inhibiting the
CC expression of PRL-3 in cells or tissues, treating an animal having or
CC suspected of having a disease or condition associated with PRL-3 and
CC screening for an antisense compound. The antisense oligonucleotide is
CC useful for preparing a composition for treating hyperproliferative
CC disorder, particularly cancer (e.g. colorectal cancer), diabetes,
CC reduced glucose tolerance, insulin resistance and obesity. The present
CC sequence is a Human PRL3 target cDNA sequence.

XX SQ Sequence 909 BP; 120 A; 273 C; 271 G; 242 T; 0 U; 3 Other;

Query Match 93.8%; Score 555; DB 12; Length 909;

Best Local Similarity 99.6%; Pred. No. 6.9e-133;

Matches 555; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 36 CTGAGTGTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGCTTGGGGCCACC 95

Db 317 CTGAGTGTGGTTCAGTTCAGTTCATCTCTCTGCGCCCTTGGGGCTTGGGGCCACC 376

QY 96 TCTGAGTGAAGGGGCTGTCTGCCCATCCACAAATGTGGAGAGGGCGCCCGGTGTGGG 155

Db 377 TCTGAGTGAAGGGGCTGTCTGCCCATCCACAAATGTGGAGAGGGCGCCCGGTGTGGG 436

QY 156 GTCCAGCTCTGGACACTGCTTGGCGCGCGGTTCACTTGGTTCAGTTTAAAGTTTCTTTC 215

Db 437 GTCCAGCTCTGGACACTGCTTGGCGCGCGGTTCACTTGGTTCAGTTTAAAGTTTCTTTC 496

QY 216 TGAGCTTTTGGTGTCTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 275

Db 497 TGAGCTTTTGGTGTCTCTTTTATTTTGGCTCTTTATGACTATCCAGCTCTGAGAG 556

QY 276 ACGGAGTGTGAGTGTCCCGCTTTACTTGGTGGGTTGGGGGGCGCGGCTGTGTTT 335

Db 557 ACGGAGTGTGAGTGTCCCGCTTTACTTGGTGGGTTGGGGGGCGCGGCTGTGTTT 616

QY 336 TGTTCCTTTCTTTTAAAGTGTGGTTCCTTTTAAATATCCAAACAGTGGGCAGC 395

Db 617 TGTTCCTTTCTTTTAAAGTGTGGTTCCTTTTAAATATCCAAACAGTGGGCAGC 676

QY 396 TTCCTCCCCACACCAAGTATTTGCAATATTTGCGGGGTATGGGGGTGGGTTTTT 455

Db 677 TTCCTCCCCACACCAAGTATTTGCAATATTTGCGGGGTATGGGGGTGGGTTTTT 736

QY 456 AAATCTCGTTTCTCTTGGCAAGCAGAGGATCTCGTTCTCTCTCAATTTTGGGGGTGTG 515

Db 737 AAATCTCGTTTCTCTTGGCAAGCAGAGGATCTCGTTCTCTCTCAATTTTGGGGGTGTG 796

QY 516 TGGGAGCTTCTCAGGTGTGTCCCGAGCTTCTCTGAGTCCCTTCTGCGCGCGG 575

Db 797 TGGGAGCTTCTCAGGTGTGTCCCGAGCTTCTCTGAGTCCCTTCTGCGCGCGG 856

QY 576 CGTCCGGAGGCCCATG 592

Db 857 CGTCCGGAGGCCCATG 873

RESULT 7

ADJ57080
ID ADJ57080 standard; DNA; 986 BP.
XX
AC ADJ57080;
XX
DT 06-MAY-2004 (first entry)
XX

DE Metastatic colon cancer-specific transcriptional regulatory element.
XX Human; PRL-3; promoter; transcriptional regulatory element; gene therapy;
KW colon cancer; metastasis; cytostatic; gene therapy; ds.
OS Homo sapiens.
XX WO2004009790-A2.
PN 29-JAN-2004.
PD
XX 22-JUL-2003; 2003WO-US023032.
PF
XX 22-JUL-2002; 2002US-0397859P.
PR
XX (CELL-) CELL GENESYS INC.
PA
XX Li Y, Yu DC;
PI
XX WPI; 2004-123388/12.
DR
XX New colon cancer transcriptional regulatory element (TRE) sequence that
PT is specific for metastatic colon cancer cells, useful as a promoter for
PT specific virus replication.
XX
PS Claim 5; SEQ ID NO 2; 39pp; English.
XX
CC The present sequence is that of a colon cancer transcriptional regulatory
CC element (TRE) derived from the human PRL-3 gene in the region upstream of
CC the translational start codon. The PRL-3 protein tyrosine phosphatase
CC gene is specifically expressed at a high level in metastatic colon
CC cancers. The invention provides replication-competent adenoviral vectors
CC comprising the present sequence operably linked to a gene required for
CC virus replication. Methods are provided for introducing into a cell an
CC adenoviral vector comprising a metastatic colon cancer-specific TRE
CC operably linked to a gene required for virus replication, and host cells
CC comprising the adenovirus vector. Methods are also provided for
CC conferring selective cytotoxicity in target colon cancer cells,
CC particularly metastatic colon cancer cells, by contacting the cells with
CC an adenovirus vector of the invention, where the vector enters the cell
CC and propagates virus. By providing for transcriptional initiating
CC regulation dependent upon transcription factors that are only active in
CC specific, limited cell types, virus replication is restricted to target
CC cells.
XX
SQ Sequence 986 BP; 131 A; 289 C; 289 G; 277 T; 0 U; 0 Other;

Query Match 93.1%; Score 551; DB 12; Length 986;
Best Local Similarity 100.0%; Pred. No. 7.6e-132;
Matches 551; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 CTGGAGTTGGTTCAGTTCAAGTTTCATTTCTTCTTGGCCCTTGGGGGCTTGGGGCCACC 95
DB 436 CTGGAGTTGGTTCAGTTCAAGTTTCATTTCTTCTTGGCCCTTGGGGGCTTGGGGCCACC 495
QY 96 TCTGAGTGAAGGGGCTGTCTGCCATCCACCAATGTGGAGAGGGCCGCCCGGTGTGGG 155
DB 496 TCTGAGTGAAGGGGCTGTCTGCCATCCACCAATGTGGAGAGGGCCGCCCGGTGTGGG 555
QY 156 GTCACGCTCTGGACACTGTCTGGGGCGGGTTCACATTGAGTTTTTAAGTTTCTTTTGC 215
DB 556 GTCACGCTCTGGACACTGTCTGGGGCGGGTTCACATTGAGTTTTTAAGTTTCTTTTGC 615
QY 216 TGAGCTTTTTTGGTGTCTTTTATTTTGGCTCTTATGACTATCCAGCTCTGAGAG 275
DB 616 TGAGCTTTTTTGGTGTCTTTTATTTTGGCTCTTATGACTATCCAGCTCTGAGAG 675
QY 276 ACGGGAGTTTGGAGTTCGCCGCTTTACTTTGGTTGGGTGGGGGGCGGGGCTGTTT 335
DB 676 ACGGGAGTTTGGAGTTCGCCGCTTTACTTTGGTTGGGTGGGGGGCGGGGCTGTTT 735
QY 336 TGTTCCTTTTCTTTTAAAGAGTTGGGTTTCTTTTAAATATCCAAACAGTGGGCAGC 395

DB 736 TGTTCCTTTTCTTTTAAAGAGTTGGGTTTCTTTTAAATATCCAAACAGTGGGCAGC 795
QY 396 TTCTCTCCCCACACACCAAGTATTTCGCAATATTTGTGCGGGGTATGGGGTGGGTTTTT 455
DB 796 TTCTCTCCCCACACACCAAGTATTTCGCAATATTTGTGCGGGGTATGGGGTGGGTTTTT 855
QY 456 AAATCTCGTTTCTTCTTGGACAAGCACAGGAGTCTCTCTCTCATTTTTTGGGGGTGTG 515
DB 856 AAATCTCGTTTCTTCTTGGACAAGCACAGGAGTCTCTCTCTCATTTTTTGGGGGTGTG 915
QY 516 TGGGGACTTCTCAGTCTGCTCCAGAGCTTCTCTGCACTCCCTTCTGCGCTCCCGGCC 575
DB 916 TGGGGACTTCTCAGTCTGCTCCAGAGCTTCTCTGCACTCCCTTCTGCGCTCCCGGCC 975
QY 576 CGTCGGGAGGC 586
DB 976 CGTCGGGAGGC 986
RESULT 8
ADC99125
ID ADC99125 standard; cDNA; 1859 BP.
XX
XX ADC99125;
XX
XX 01-JAN-2004 (first entry)
XX Human KPP cDNA - SEQ ID 78.
DE
XX anti-HIV; anti-allergic; anti-inflammatory; antianaemic; antiparkinsonian;
XX neurotropic; anticonvulsant; antiarteriosclerotic; antiasthmatic;
KW immunosuppressive; antithyroid; cytostatic; hepatotropic; dermatological;
KW antidiabetic; nephrotropic; antigout; thyromimetic; neuroprotective;
KW osteoplastic; antihypertensive; antiparasitic; antihelminthic; antipsoriatic;
KW uropathic; ophthalmological; antirheumatic; haemostatic; antibacterial;
KW virucide; protozoicide; fungicide; kinase; phosphatase; KPP;
KW cell proliferative disorder; atherosclerosis; cirrhosis; hepatitis;
KW cancer; developmental; mental retardation; neurological;
KW Alzheimer's disease; Parkinson's; autoimmune; inflammatory; Crohn's;
KW diabetes mellitus; viral; bacterial; fungal; parasitic; protozoan;
KW helminthic infection; transgenic; gene therapy; human; ss; gene.
XX
XX Homo sapiens.
XX WO2003033680-A2.
XX
XX 24-APR-2003.
XX
XX 17-OCT-2002; 2002WO-US033723.
XX
XX 19-OCT-2001; 2001US-0345474P.
PR 02-NOV-2001; 2001US-0343910P.
PR 13-NOV-2001; 2001US-0333098P.
PR 16-NOV-2001; 2001US-0332424P.
PR 30-NOV-2001; 2001US-0334288P.
XX
XX (INCY-) INCYTE GENOMICS INC.
XX
XX Bandnan O, Baughn MR, Becha SD, Borowsky ML, Duggan BM;
PI Emerling BM, Forsythe IV, Gandhi AR, Gorvad AE, Griffin JA;
PI Gururajan R, Hafalia AJA, Khan FA, Lal PG, Lee EA, Lee SY;
PI Lindquist EA, Lu DAM, Lu Y, Marquis JP, Nguyen DB, Arvizu CS;
PI Ramkumar J, Recipon SA, Richardson TW, Swarnakar A, Tang Y;
PI Thornton MB, Tran UK, Chawla NK, Warren BA, Yang J, Yao MG, Yue H;
PI Zebbarjadian Y;
XX
XX WPI; 2003-403214/38.
DR P-PSDB; ADC99073.
XX
XX New human kinases and phosphatases and polynucleotides, useful for
PT diagnosing, treating or preventing autoimmune or inflammatory disorders
PT (e.g. AIDS, allergy or anemia), multiple sclerosis, osteoarthritis,
PT cancer or hepatitis.

XX PS Claim 5; SEQ ID NO 78; 424pp; English.

XX CC The invention relates to a novel isolated polypeptide which is a human

XX CC kinase and phosphatase (KPP). The KPP polypeptides, polynucleotides,

XX CC agonists and antagonists are useful for diagnosing, treating or

XX CC preventing cell proliferative disorders such as atherosclerosis,

XX CC cirrhosis, hepatitis and cancer, developmental disorders e.g. mental

XX CC retardation, neurological disorders including Alzheimer's disease and

XX CC Parkinson's disease, autoimmune and inflammatory disorders such as

XX CC Crohn's disease and diabetes mellitus and finally, viral, bacterial,

XX CC fungal, parasitic, protozoan or helminthic infections. Furthermore, the

XX CC polynucleotides encoding KPP may be useful for creating transgenic

XX CC animals to model human disease, as well as during gene therapy

XX CC procedures. The current sequence is that of the human KPP cDNA of the

XX CC invention.

XX SQ Sequence 1859 BP; 431 A; 488 C; 544 G; 396 T; 0 U; 0 Other;

Query Match 69.4%; Score 410.6; DB 10; Length 1859;

Best Local Similarity 99.0%; Pred. No. 1.4e-95;

Matches 413; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 176 TGGCGCGCGGTTCACTTGGAGTTTAAAGTTTCTTGTCTGAGCTTTTGGTTGTTCT 235

Db 1 TGGCGCGCGGTTCACTTGGAGTTTGGAGTCTCTTGTCTGAGCTTTTGGTTGTTCT 60

QY 236 TTTTATTTTTCCTTTATGACTATCCAGCTCTGAGAGCGGAGTTGAGTTGCC 295

Db 61 TTTTATTTTTCCTTTATGACTATCCAGCTCTGAGAGCGGAGTTGAGTTGCC 120

QY 296 GCTTTACTTTGGTTGGGTTGGGCGGCGGCTGTTTCTCTTCTTTTAAAG 355

Db 121 GCTTTACTTTGGTTGGGTTGGGCGGCGGCTGTTTCTCTTCTTTTAAAG 180

QY 356 AGTTGGGTTTCTTTTAAATATCAACAGTGGGCGGCTTCTCTCTCCACCAAGT 415

Db 181 AGTTGGGTTTCTTTTAAATATCAACAGTGGGCGGCTTCTCTCTCCACCAAGT 240

QY 416 ATTTGCACAAATTTGTGCGGGTATGGGGTGGGTTTAAATCTCGTTCTCTGAC 475

Db 241 ATTTGCACAAATTTGTGCGGGTATGGGGTGGGTTTAAATCTCGTTCTCTGAC 300

QY 476 AAGCACAGGATCTCGTTCTCTCTATTTTGGGGTGTGGGACTTCTCAGTCTGTG 535

Db 301 AAGCACAGGATCTCGTTCTCTCTATTTTGGGGTGTGGGACTTCTCAGTCTGTG 360

QY 536 TCCCGAGCTTCTCTGAGTCCCTTCTGCGGCGGCGGCTGCGGAGGCGCCATG 592

Db 361 TCCCGAGCTTCTCTGAGTCCCTTCTGCGGCGGCGGCTGCGGAGGCGCCATG 417

RESULT 9

ADN95384

ID ADN95384 standard; DNA; 1320 BP.

XX AC ADN95384;

XX DT 01-JUL-2004 (first entry)

XX DE Human BEC/LEC-related gene sequence Seqid307.

XX KW growth; differentiation; blood endothelial cell; BEC;

XX KW lymphatic endothelial cell; LEC; hereditary lymphoedema; VEGFR-3;

XX KW lymphatic growth agent; VEGF-C; VEGF-D; antiangiogenic; cytostatic;

XX KW vasotrophic; antiinflammatory; gene therapy; endothelial cell disorder;

XX KW inflammatory disease; cancer metastasis; lymphatic system; gene; ds;

XX OS human.

XX OS Homo sapiens.

XX PN WO2003080640-A1.

XX XX

PD 02-OCT-2003.

XX 07-MAR-2003; 2003WO-US006900.

XX 07-MAR-2002; 2002US-0363019P.

XX (LUDW-) LUDWIG INST CANCER RES.

XX (LICN) LICENTIA LTD.

XX Altalo K, Makinen T, Petrova T, Saharinen P, Saharinen J;

XX WPI; 2003-876899/81.

DR P-PSDB; ADN95383.

XX Example 1; SEQ ID NO 307; 176pp; English.

XX This invention relates to a method of differentially modulating the

CC growth or differentiation of blood endothelial cells (BEC) or lymphatic

CC endothelial cells (LEC) comprises contacting endothelial cells with a

CC composition comprising an agent that differentially modulates blood or

CC lymphatic endothelial cells. Treating hereditary lymphoedema comprises

CC identifying a human subject with lymphoedema and with a mutation in at

CC least one allele of a gene encoding a LEC protein, where the mutation

CC correlates with lymphoedema in human subjects, and with the proviso that

CC the LEC protein is not VEGFR-3; and administering to the subject a

CC composition comprising a lymphatic growth agent selected from VEGF-C or

CC VEGF-D polypeptides and polynucleotides. The invention may be useful for

CC the development of compounds with an antiangiogenic, cytostatic,

CC vasotrophic or antiinflammatory activity or for gene therapy. The method

CC is useful in modulating the growth or differentiation of blood

CC endothelial cells or lymphatic endothelial cells, in treating hereditary

CC lymphoedema, in screening for an endothelial cell disorder or

CC predisposition to the disorder or in monitoring the efficacy or toxicity

CC of a drug on endothelial cells. The agent is useful in manufacturing a

CC medicament for the differential modulation of blood vessel endothelial

CC cell or lymphatic vessel endothelial cell growth or differentiation. The

CC lymphatic growth agent may also be used in manufacturing a medicament for

CC the treatment of hereditary lymphoedema resulting from a mutation in a

CC LEC gene or of other diseases involving the lymphatic vessels, such as

CC various inflammatory diseases and cancer metastasis via the lymphatic

CC system. The present sequence is that of a human LEC/BEC differentially

CC expressed gene which is related to the method of the invention. Note: This

CC sequence does not appear in the specification but was obtained by the

CC indexer using the source data given in table 14 of the specification.

XX SQ Sequence 1320 BP; 266 A; 388 C; 376 G; 290 T; 0 U; 0 Other;

Query Match 56.9%; Score 337; DB 11; Length 1320;

Best Local Similarity 100.0%; Pred. No. 1.2e-76;

Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTGCCGCTTACTTGGTTGGGTTG 315

Db 1 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTGCCGCTTACTTGGTTGGGTTG 60

QY 316 GGGGGGGCGGGGCTGTTTGTCTCTTTTAAAGTTGGGTTTCTTTTAA 375

Db 61 GGGGGGGCGGGGCTGTTTGTCTCTTTTAAAGTTGGGTTTCTTTTAA 120

QY 376 TTATCCAAACAGTGGGCGAGCTTCTCTCCCAACACCCCAAGTATTTGCAATATTTGTCG 435

Db 121 TTATCCAAACAGTGGGCGAGCTTCTCTCCCAACACCCCAAGTATTTGCAATATTTGTCG 180

QY 436 GGGTATGGGGTGGGTTTAAATCTCGTTTCTCTTGGACAAGCAGGAGATCTCGTTCT 495

Db 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTCTTGGACAAGCAGGAGATCTCGTTCT 240

QY 496 CCTCATTTTGGGGTGTGTGGGACTTCTCAGGTGTCTCCACGCTTCTGAGT 555

Db 241 CCTCATTTTGGGGTGTGTGGGACTTCTCAGGTGTCTCCACGCTTCTGAGT 300

QY 556 CCTTCTGCGCTGCGGGCGCGTGGGAGGCGCCATG 592

Db 301 CCCTTCTGCTCGCGGCCGTCGGGAGGCCCATG 337

RESULT 10

AD128097
ID AD128097 standard; cDNA; 1321 BP.

AC AD128097;

XX 22-APR-2004 (first entry)

XX Human protein tyrosine phosphatase, PRL3, variant 1 cDNA.

XX Human; antisense gene therapy; ss; PRL3;

XX protein tyrosine phosphatase type IVA member 3; colorectal cancer;

XX diabetes; glucose tolerance; insulin resistance; obesity;

XX hyperproliferative disorder; cytostatic.

XX Homo sapiens.

XX US2003235911-A1.

XX 25-DEC-2003.

XX 20-JUN-2002; 2002US-00177554.

XX 20-JUN-2002; 2002US-00177554.

XX (ISIS-) ISIS PHARM INC.

XX Dobie KW, Zhang H;

XX WPI; 2004-070585/07.

XX P-PSDB; ADI28333.

XX New antisense oligonucleotide, comprising a sequence targeted to a
XX nucleic acid encoding protein tyrosine phosphatase type IVA member 3 (PRL
XX -3), useful for preparing a composition for treating hyperproliferative
XX disorders, e.g., cancer.

XX Example 13; SEQ ID NO 4; 77pp; English.

XX The invention relates to a compound comprising a sequence comprising 8-80
XX base pairs (bp) targeted to a nucleic acid encoding protein tyrosine
XX phosphatase type IVA member 3 (PRL-3), that specifically hybridises with
XX the nucleic acid encoding PRL-3 and inhibits expression of PRL-3, i.e. is
XX an antisense oligonucleotide (AO). Also included are a composition
XX comprising the compound and a carrier or diluent, inhibiting the
XX expression of PRL-3 in cells or tissues, treating an animal having or
XX suspected of having a disease or condition associated with PRL-3 and
XX screening for an antisense compound. The antisense oligonucleotide is
XX useful for preparing a composition for treating hyperproliferative
XX disorder, particularly cancer (e.g. colorectal cancer), diabetes,
XX reduced glucose tolerance, insulin resistance and obesity. The present
XX sequence is a Human PRL3 target cDNA sequence.

XX SQ Sequence 1321 BP; 267 A; 388 C; 376 G; 290 T; 0 U; 0 Other;

Query Match 56.9%; Score 337; DB 12; Length 1321;
Best Local Similarity 100.0%; Pred. No. 1.2e-76;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGACGCGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTG 315
Db 1 TGACTATCCAGCTCTGAGACGCGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTG 60

QY 316 GGGGGGGCGCGGCTGTTTCTTTCTTTTAAAGAGTGGGTTTCTTTTAA 375
Db 61 GGGGGGGCGCGGCTGTTTCTTTCTTTTAAAGAGTGGGTTTCTTTTAA 120

QY 376 TTATCCAAACAGTGGGAGCTTCTCCCCACACCCAGATATTTGCCAATATTTGTGCG 435
Db 121 TTATCCAAACAGTGGGAGCTTCTCCCCACACCCAGATATTTGCCAATATTTGTGCG 180

QY 436 GGGTATGGGGTGGGTTTTTAATCTCGTTTCTTTGACAAGCACAGGATCTCGTTCT 495
Db 181 GGGTATGGGGTGGGTTTTTAATCTCGTTTCTTTGACAAGCACAGGATCTCGTTCT 240
QY 496 CCTCATTTTTTGGGGGTGTGGGACTTCTCAGTCTGTCCCGAGCCTTCTCTCAGT 555
Db 241 CCTCATTTTTTGGGGGTGTGTGGGACTTCTCAGTCTGTGTGCCAGCCTTCTCTCAGT 300
QY 556 CCCTTCTGCCCTCGCGGCCGTCGGGAGGCCCATG 592
Db 301 CCCTTCTGCCCTCGCGGCCGTCGGGAGGCCCATG 337

RESULT 11

AD157209

ID AD157209 standard; cDNA; 1321 BP.

XX AD157209;

XX 22-APR-2004 (first entry)

XX Human PRL-3 encoding cDNA SEQ ID NO:29.

XX cell cycle arrest; CK2-specific siRNA molecule; short interfering RNA;

XX CK2 inhibition; PIM1-specific siRNA molecule; PIM1 inhibition;

XX Hb01-specific siRNA molecule; Hb01 inhibition; cytostatic; gene therapy;

XX cancer; proliferative disorder; human; PRL-3; gene; ss.

XX Homo sapiens.

XX Key Location/Qualifiers

XX CDS 335..781

XX FT /*tag= a

XX FT /product= "PRL-3".

XX WO2004007754-A2.

XX 22-JAN-2004.

XX 14-JUL-2003; 2003WO-US022164.

XX 12-JUL-2002; 2002US-0395443P.

XX (RIG-) RIGEL PHARM INC.

XX Hitoshi Y, Jenkins Y, Markovtsov V;

XX WPI; 2004-122975/12.

XX P-PSDB; ADI57210.

XX Identifying a compound that modulates cell cycle arrest, useful for
XX developing therapeutic reagents for treating cancer comprising contacting
XX a cell comprising a target polypeptide with the compound.

XX Claim 16; SEQ ID NO 29; 180pp; English.

XX The present invention describes a method for identifying a compound (C)
XX that modulates cell cycle arrest. The method comprises contacting a cell
XX comprising a target polypeptide with the compound (C), where the target
XX polypeptide encoded by the complement of a nucleic acid that hybridises
XX under stringent conditions to a nucleic acid encoding a polypeptide
XX having an amino acid sequence selected from 18 148-1408 amino acid
XX sequences (SEQ ID NO: 2-36, even numbers only). Also described: (i)
XX modulating cell cycle arrest in a subject; (2) a CK2-specific short
XX interfering RNA (siRNA) molecule comprising the sequence: (i)
XX AACATGATAGATCCAGT, where the siRNA molecule is from 21-30 nucleotide
XX base pairs in length; (3) inhibiting expression of a CK2 gene in a cell;
XX (4) a PIM1-specific siRNA molecule comprising the sequence: (ii)
XX AAACTCCAGTGAAGTGC, where the siRNA molecule is from 21-30 nucleotide
XX base pairs in length; (5) inhibiting expression of a PIM1 gene in a cell;
XX (6) an Hb01-specific siRNA molecule comprising the sequence: (iii)
XX AACTGACCAAGTGGTGAATT, where the siRNA molecule is from 21-30 nucleotide

CC base pairs in length; and (7) inhibiting expression of an HboI gene in a
CC cell. (C) has cytostatic activity, and can be used in gene therapy. The
CC method is useful for identifying a compound (c) that modulates cell cycle
CC arrest. Compounds that modulate cell cycle arrest are useful for
CC developing therapeutic reagents for treating cancer and other
CC proliferative disorders. The present sequence encodes human PRL-3, which
CC is used in the exemplification of the present invention.

XX Sequence 1321 BP; 267 A; 388 C; 376 G; 290 T; 0 U; 0 Other;

Query Match 56.9%; Score 337; DB 12; Length 1321;
Best Local Similarity 100.0%; Pred. No. 1.2e-76;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGAGACGGAGTTTGAGTTGCGGCTTTACTTTGTTGGTTG 315
DB 1 TGACTATCCAGCTCTGAGAGACGGAGTTTGAGTTGCGGCTTTACTTTGTTGGTTG 60
QY 316 GGG 375
DB 61 GGG 120
QY 376 TTATCCAAACAGTGGGAGCTTCTCCGCCACACCCAGATTTGCAAAATTTGTGG 435
DB 121 TTATCCAAACAGTGGGAGCTTCTCCGCCACACCCAGATTTGCAAAATTTGTGG 180
QY 436 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGACAGACAGGATCTCGTTCT 495
DB 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGACAGACAGGATCTCGTTCT 240
QY 496 CCTCATTTTGGGGGGTGGTGGGAGTCTCTCAGGTGTTCCAGAGCGCCATG 555
DB 241 CCTCATTTTGGGGGGTGGTGGGAGTCTCTCAGGTGTTCCAGAGCGCCATG 300
QY 556 CCTTCTGCGGCGGG 592
DB 301 CCTTCTGCGGCGGG 337

RESULT 12

ADP21390
ID ADP21390 standard; DNA; 1321 BP.

AC ADP21390;

XX 09-SEP-2004 (first entry)

DE Gene PTP4A3 for screening for cardiac therapeutic preparation.

XX ds: cardiant; gene therapy; cardiac therapeutic preparation;
KW beta-adrenergic receptor antagonist; endothelial receptor antagonist;
KW calcium channel antagonist; phosphodiesterase inhibitor;
KW angiotensin converting enzyme inhibitor; heart failure.

XX Homo sapiens.

XX WO2004050894-A2.

XX 17-JUN-2004.

XX 26-NOV-2003; 2003WO-US037927.

XX 27-NOV-2002; 2002US-0429379P.

XX 31-DEC-2002; 2002US-0437051P.

XX 31-DEC-2002; 2002US-0437102P.

XX (ARTE-) ARTESIAN THERAPEUTICS INC.

XX Bednarik DP;

XX WPI; 2004-450738/42.

PT Screening potential therapeutic compounds for cardiac therapeutic

PT preparations, useful for treating heart failure in a subject, comprises
PT contacting a sample of cell or tissue with a compound and detecting gene
PT expression level.

XX Claim 10; SEQ ID NO 64; 152pp; English.

XX The invention relates to a method of screening potential therapeutic
CC compounds for cardiac therapeutic preparations by contacting a sample
CC comprising a cell or tissue with a potential therapeutic compound and
CC detecting a level of expression of a gene that codes for a product
CC encoded by a nucleic acid selected from 98 sequences given in the
CC specification of the gene to the level of expression of the gene in the
CC absence of the compound, and identifying a potential therapeutic compound
CC for use as a cardiac therapeutic preparation if the potential therapeutic
CC compound affects the level of expression of the gene. The pharmaceutical
CC composition or active agents (i.e., beta-adrenergic receptor antagonist,
CC endothelial receptor antagonist, calcium channel antagonist,
CC phosphodiesterase inhibitor, or angiotensin converting enzyme inhibitor)
CC is useful for treating heart failure in a subject. This sequence
CC represents one of the genes whose expression may be altered by the
CC compounds detected by the screen of the invention.

XX Sequence 1321 BP; 267 A; 388 C; 376 G; 290 T; 0 U; 0 Other;

Query Match 56.9%; Score 337; DB 12; Length 1321;
Best Local Similarity 100.0%; Pred. No. 1.2e-76;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGAGACGGAGTTTGAGTTGCGGCTTTACTTTGTTGGTTG 315
DB 1 TGACTATCCAGCTCTGAGAGACGGAGTTTGAGTTGCGGCTTTACTTTGTTGGTTG 60
QY 316 GGG 375
DB 61 GGG 120
QY 376 TTATCCAAACAGTGGGAGCTTCTCCGCCACACCCAGATTTGCAAAATTTGTGG 435
DB 121 TTATCCAAACAGTGGGAGCTTCTCCGCCACACCCAGATTTGCAAAATTTGTGG 180
QY 436 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGACAGACAGGATCTCGTTCT 495
DB 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGACAGACAGGATCTCGTTCT 240
QY 496 CCTCATTTTGGGGGGTGGTGGGAGTCTCTCAGGTGTTCCAGAGCGCCATG 555
DB 241 CCTCATTTTGGGGGGTGGTGGGAGTCTCTCAGGTGTTCCAGAGCGCCATG 300
QY 556 CCTTCTGCGGCGGG 592
DB 301 CCTTCTGCGGCGGG 337

RESULT 13

AD128111
ID AD128111 standard; cDNA; 1396 BP.

XX AC AD128111;

XX 22-APR-2004 (first entry)

XX Human protein tyrosine phosphatase, PRL3, variant 2 cDNA.

DE Human; antisense gene therapy; ss; PRL3;
KW protein tyrosine phosphatase type IVA member 3; colorectal cancer;
KW diabetes; glucose tolerance; insulin resistance; obesity;
KW hyperproliferative disorder; cytostatic.

XX Homo sapiens.

XX OS

XX PN US2003235911-A1.

PD 25-DEC-2003.

XX XX

PF 20-JUN-2002; 2002US-00177554.

XX XX

PR 20-JUN-2002; 2002US-00177554.

XX XX

PA (ISIS-) ISIS PHARM INC.

XX XX

PI Dobie KW, Zhang H;

XX XX

DR WPI: 2004-070585/07.

DR P-PSDB; ADI28335.

XX XX

PT New antisense oligonucleotide, comprising a sequence targeted to a

PT nucleic acid encoding protein tyrosine phosphatase type IVA member 3 (PRL

PT -3), useful for preparing a composition for treating hyperproliferative

PT disorders, e.g., cancer.

XX XX

PS Example 15; SEQ ID NO 18; 77pp; English.

XX XX

CC The invention relates to a compound comprising a sequence comprising 8-80

CC base pairs (bp) targeted to a nucleic acid encoding protein tyrosine

CC phosphatase type IVA member 3 (PRL-3), that specifically hybridizes with

CC the nucleic acid encoding PRL-3 and inhibits expression of PRL-3, i.e. is

CC an antisense oligonucleotide (AO). Also included are a composition

CC comprising the compound and a carrier or diluent, inhibiting the

CC expression of PRL-3 in cells or tissues, treating an animal having or

CC suspected of having a disease or condition associated with PRL-3 and

CC screening for an antisense compound. The antisense oligonucleotide is

CC useful for preparing a composition for treating hyperproliferative

CC disorder, particularly cancer (e.g. colorectal cancer), diabetes,

CC reduced glucose tolerance, insulin resistance and obesity. The present

CC sequence is a Human PRL3 target cDNA sequence.

XX XX

SQ Sequence 1396 BP; 281 A; 409 C; 400 G; 306 T; 0 U; 0 Other;

Query Match 56.9%; Score 337; DB 12; Length 1396;

Best Local Similarity 100.0%; Pred. No. 1.2e-76;

Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTG 315

DB 1 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTG 60

QY 316 GGG 375

DB 61 GGG 120

QY 376 TATATCCAAACAGTGGGAGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 495

DB 121 TATATCCAAACAGTGGGAGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 180

QY 436 GGGTATCGGG 495

DB 181 GGGTATCGGG 240

QY 496 CCTCATTTTTTTGG 555

DB 241 CCTCATTTTTTTGG 300

QY 556 CCTTCTGCGCTGCGGG 592

DB 301 CCTTCTGCGCTGCGGG 337

RESULT 14

ADN75973

ID ADN75973 standard; DNA; 1396 BP.

XX XX

AC ADN75973;

XX XX

DT 01-JUL-2004 (first entry)

XX XX

DE Human signal transduction-associated DNA SEQ ID 798.

XX XX

KW small interfering RNA; siRNA; protein-tyrosine-phosphatase; PTP;

XX cytoskeletal; immunomodulator; antimicrobial; antiinflammatory;

KW antidiabetic; anorectic; cancer; autoimmune disease; infection;

KW inflammation; diabetes; obesity; RNA interference; gene silencing; ds;

XX gene.

XX OS

XX Homo sapiens.

XX XX

PN WO2004016735-A2.

XX XX

PD 26-FEB-2004.

XX XX

XX 23-MAY-2003; 2003WO-US016632.

XX XX

PF 23-MAY-2003; 2002US-0383249P.

XX XX

PR 14-APR-2003; 2003US-0462942P.

XX XX

XX (CEPT-) CEPT INC.

XX (COLD-) COLD SPRING HARBOR LAB.

XX XX

PI Klinghoffer R, Lewis SP, Tonks NK, Meng T;

XX XX

XX WPI: 2004-203773/19.

XX P-PSDB; ADN75974.

XX XX

DR New isolated small interfering RNA (siRNA) polynucleotide useful for

DR treating diseases with aberrant activity of the protein tyrosine

PT phosphatase, such as cancer, autoimmune disease, infection, inflammation,

PT diabetes and obesity.

XX XX

PS Disclosure; SEQ ID NO 798; 392pp; English.

XX XX

CC This invention describes novel small interfering RNA (siRNA)

CC polynucleotides capable of interfering with expression of a polypeptide

CC having protein-tyrosine-phosphatase (PTP) activity. The products of the

CC invention have cytostatic, immunomodulator, antimicrobial,

CC antiinflammatory, antidiabetic and anorectic activity. The methods and

CC compositions of the present invention are useful for treating diseases or

CC conditions associated with aberrant expression or activity of the protein

CC tyrosine phosphatase, such as cancer, autoimmune diseases, infection,

CC inflammation, diabetes and obesity. This sequence represents a siRNA

CC directed against dual specificity phosphatase (DSP) expression.

XX XX

SQ Sequence 1396 BP; 281 A; 409 C; 400 G; 306 T; 0 U; 0 Other;

Query Match 56.9%; Score 337; DB 12; Length 1396;

Best Local Similarity 100.0%; Pred. No. 1.2e-76;

Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTG 315

DB 1 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTG 60

QY 316 GGG 375

DB 61 GGG 120

QY 376 TATATCCAAACAGTGGGAGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 495

DB 121 TATATCCAAACAGTGGGAGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 180

QY 436 GGGTATCGGG 495

DB 181 GGGTATCGGG 240

QY 496 CCTCATTTTTTTGG 555

DB 241 CCTCATTTTTTTGG 300

QY 556 CCTTCTGCGCTGCGGG 592

Db 301 CCTTCTGCTCCCTGCGGGCCCGCTGGAGGCGCCATG 337

RESULT 15

ADP20802

ID ADP20802 standard; DNA; 1396 BP.

XX

AC ADP20802;

XX

DT 09-SEP-2004 (first entry)

XX

DE Human protein tyrosine phosphatase type IVA (Prl-3) gene.

XX

KW ds; gene; metabolic; anorectic; antilipemic; cardiant; osteopathic;

KW antiarthritic; antiinflammatory; cytostatic; gene therapy;

KW Protein tyrosine phosphatase; metabolic disease; metabolic syndrome;

KW obesity; diabetes; eating disorder; cachexia; hypertension;

KW coronary heart disease; hypercholesterolemia; dyslipidemia;

KW osteoarthritis; gallstones; liver fibrosis; transgenic animal.

XX

OS Homo sapiens.

XX

PN WO2004050117-A1.

XX

PD 17-JUN-2004.

XX

PF 03-DEC-2003; 2003WO-EP013655.

XX

PR 03-DEC-2002; 2002EP-00026921.

XX

PA (DEVE-) DEVELOPMENT BIOLOGISCHE FORSCH.

XX

PI Meise M, Eulenber K, Nguyen T, Tsetsenis T;

XX

DR WPI: 2004-450615/42.

DR P-PSDB; ADP20803.

XX

PT New pharmaceutical composition comprising a PRL-1 homologous protein or

PT nucleic acid, and carriers, diluents or/and additives, useful for

PT treating obesity, hyperlipidemia, osteoarthritis, cell masses.

XX

PS Disclosure; SEQ ID NO 9; 89pp; English.

XX

Search completed: April 3, 2006, 05:50:05
Job time : 471 secs

The invention relates to a pharmaceutical composition comprising a PRL-1 homologous protein or/and its functional fragment, a nucleic acid molecule encoding the protein, and/or a modulator/effector of the nucleic acid molecule or protein, and carriers, diluents or/and additives. The composition is useful for the manufacture of an agent for detection of or/and verifying, for the treatment, alleviation and/or prevention of metabolic diseases or dysfunctions, including metabolic syndrome, obesity or/and diabetes, as well as related disorders such as eating disorder, cachexia, hypertension, coronary heart disease, hypercholesterolemia, dyslipidemia, osteoarthritis, gallstones, or liver fibrosis, in cells, cell masses, organs and/or subjects in vivo or in vitro. The nucleic acid molecule and polypeptide are useful for the manufacture of a medicament for the treatment of obesity, diabetes, or/and metabolic syndrome for controlling the function of a gene or/and a gene product, which is influenced or/and modified by a PRL-1 homologous polypeptide, for identifying substances capable of interacting with a PRL-1 homologous polypeptide, and for the production of a non-human transgenic animal which over- or under-expresses the PRL-1. This sequence corresponds to the human protein tyrosine phosphatase type IVA member 3 i.e. Prl-3 gene.

Sequence 1396 BP; 281 A; 409 C; 400 G; 306 T; 0 U; 0 Other;

Query Match 56.9%; Score 337; DB 12; Length 1396;
Best Local Similarity 100.0%; Pred. No. 1.2e-76;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGACGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTG 315

Db 1 TGACTATCCAGCTCTGAGACGGAGTTGGAGTTGCCGCTTACTTTGGTTGGTTG 60

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OM nucleic - nucleic search, using sw model

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Maximum Match 100%

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Published Applications NA Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	557	94.1	1692	9	US-10-491-467-77
3	557	94.1	2181	8	US-10-723-860-4943
4	557	94.1	2850	3	US-09-918-715-247
5	557	94.1	2850	8	US-10-474-794-247
6	557	94.1	2850	9	US-10-979-159-247
7	555	93.8	909	6	US-10-177-554-19
8	551	93.1	986	7	US-10-624-670-2
9	410.6	69.4	1859	9	US-10-491-467-78
10	337	56.9	1321	6	US-10-177-554-4
11	337	56.9	1321	7	US-10-620-052A-29
12	337	56.9	1396	6	US-10-177-554-18
13	337	56.9	1396	7	US-10-444-795B-798
14	337	56.9	1396	10	US-11-060-756-2935
15	337	56.9	1396	10	US-11-060-756-7207
16	310	52.4	982	6	US-10-305-720-993
17	274.4	46.4	671	6	US-10-177-554-20
18	240	40.5	462	8	US-10-723-860-203
19	240	40.5	1006	6	US-10-177-554-239
20	221	37.3	773	6	US-10-277-161-71
21	139	23.5	1678	6	US-10-177-554-99
22	131.4	22.2	3222	6	US-10-177-554-11
23	58	9.8	396	7	US-10-021-323-17801

24	57	9.6	521	8	US-10-425-115-28564	Sequence 28564, A
25	55.2	9.3	683	8	US-10-425-115-92182	Sequence 92182, A
26	52.8	8.9	363	7	US-10-021-323-270	Sequence 270, App
27	52.8	8.9	1260	8	US-10-363-345A-3493	Sequence 3493, Ap
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30	52.8	8.9	1260	9	US-10-363-483A-3494	Sequence 3494, Ap
31	52.4	8.9	444	7	US-10-424-599-85480	Sequence 85480, A
32	52.2	8.8	374	7	US-10-424-599-4878	Sequence 4878, Ap
33	52	8.8	7758	6	US-10-311-455-1076	Sequence 1076, Ap
34	51.2	8.6	192	7	US-10-021-323-5189	Sequence 5189, Ap
35	51	8.6	629	6	US-10-125-968-78	Sequence 78, Appl
36	50.8	8.6	7698	6	US-10-311-455-1673	Sequence 1673, Ap
37	50.6	8.5	369	8	US-10-425-115-162538	Sequence 162538, A
38	50.4	8.5	1025	8	US-10-363-345A-12421	Sequence 12421, A
39	50.4	8.5	1025	8	US-10-363-345A-12422	Sequence 12422, A
40	50.4	8.5	1025	9	US-10-363-483A-12421	Sequence 12421, A
41	50.4	8.5	1025	9	US-10-363-483A-12422	Sequence 12422, A
42	49.2	8.3	509	8	US-10-363-345A-5391	Sequence 5391, Ap
43	49.2	8.3	509	8	US-10-363-345A-5392	Sequence 5392, Ap
44	49.2	8.3	509	9	US-10-363-483A-5391	Sequence 5391, Ap
45	49.2	8.3	509	9	US-10-363-483A-5392	Sequence 5392, Ap

ALIGNMENTS

RESULT 1
US-10-624-670-1
; Sequence 1, Application US/10624670
; Publication No. US20040126785A1
; GENERAL INFORMATION:
; APPLICANT: Yuanho Li
; APPLICANT: De-Chao Yu
; TITLE OF INVENTION: Metastatic Colon Cancer Specific
; TITLE OF INVENTION: Promoter and Uses Thereof
; FILE REFERENCE: CELL-024
; CURRENT APPLICATION NUMBER: US/10/624,670
; CURRENT FILING DATE: 2003-07-21
; PRIOR APPLICATION NUMBER: 60/397,859
; PRIOR FILING DATE: 2002-07-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 592
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-624-670-1

Query Match	100.0%	Score 592;	DB 7;	Length 592;
Best Local Similarity	100.0%	Pred. No. 2.8e-154;		
Matches 592;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CTATAGGCGACGCGTGGTTCGACGCGCGGGCTGGTCTGGAGTTGGTTCAAGTTCA	60	
Db	1	CTATAGGCGACGCGTGGTTCGACGCGCGGGCTGGTCTGGAGTTGGTTCAAGTTCA	60	
Qy	61	TTCTTCTCTGCGCCCTTGGGGCTTGGGCGCCACCTCTGAGTGAAGGGGCTCTGCCC	120	
Db	61	TTCTTCTCTGCGCCCTTGGGGCTTGGGCGCCACCTCTGAGTGAAGGGGCTCTGCCC	120	
Qy	121	ATCCACCAATCTGGAGAGGCGCGCCCGGCTGGGGTCCAGCTCTGGACACCTGCTTGGCG	180	
Db	121	ATCCACCAATCTGGAGAGGCGCGCCCGGCTGGGGTCCAGCTCTGGACACCTGCTTGGCG	180	
Qy	181	CCCGGTTCACTTTGAGTTTAAAGTTTCTTTGCTGAGCTTTTGTGTTCTTTTA	240	
Db	181	CCCGGTTCACTTTGAGTTTAAAGTTTCTTTGCTGAGCTTTTGTGTTCTTTTA	240	
Qy	241	TTTTTGGCTTTTATGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTT	300	
Db	241	TTTTTGGCTTTTATGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTT	300	

Db 1 TGGCGGCGGGTTCACCTTGAGTTTGGAGTTCGTCTTGTGAGCTTTTGTGGTGTCT 60
Qy 236 TTTTATTTTGGCTCTTATGATATCCAGCTCTGAGAGCGGAGTTGGAGTTCGCC 295
Db 61 TTTTATTTTGGCTCTTATGATATCCAGCTCTGAGAGCGGAGTTGGAGTTCGCC 120
Qy 296 GCTTTACTTTGGTGGGTTGGGGGGCGGGGCTGTTTGTGTTTCTTTTCTTTTAA 355
Db 121 GCTTTACTTTGGTGGGTTGGGGGGCGGGGCTGTTTGTGTTTCTTTTCTTTTAA 180
Qy 356 AGTTGGGTTTCTTTTAAATATCCAAACAGTGGGAGCTTCTCCCCACACCCAA 415
Db 181 AGTTGGGTTTCTTTTAAATATCCAAACAGTGGGAGCTTCTCCCCACACCCAA 240
Qy 416 ATTTGCACAAATATTTGCGGGGATGCGGGTGGGTTTAAATCTGTTCTCTTGAC 475
Db 241 ATTTGCACAAATATTTGCGGGGATGCGGGTGGGTTTAAATCTGTTCTCTTGAC 300
Qy 476 AAGCACAGGATCTCGTTCTCTCAATTTTGGGGGTGTGGGAGCTTCTCAGTCTGT 535
Db 301 AAGCACAGGATCTCGTTCTCTCAATTTTGGGGGTGTGGGAGCTTCTCAGTCTGT 360
Qy 536 TCCCGAGCTTCTCGAGTCCCTTCTGCTGCGGGCGCGTGGGAGGCGCCATG 592
Db 361 TCCCGAGCTTCTCGAGTCCCTTCTGCTGCGGGCGCGTGGGAGGCGCCATG 417

RESULT 10
US-10-177-554-4
; Sequence 4, Application US/10177554
; Publication No. US20030235911A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Hong Zhang
; TITLE OF INVENTION: ANTISENSE MODULATION OF PRL-3 EXPRESSION
; FILE REFERENCE: RTS-0370
; CURRENT APPLICATION NUMBER: US/10/177,554
; CURRENT FILING DATE: 2002-06-20
; NUMBER OF SEQ ID NOS: 239
; SEQ ID NO 4
; LENGTH: 1321
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (335)...(781)
US-10-177-554-4

Query Match 56.9%; Score 337; DB 6; Length 1321;
Best Local Similarity 100.0%; Pred. No. 3.4e-83;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 256 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTCGCCCTTACTTTGGTGGGTTG 315
Db 1 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTCGCCCTTACTTTGGTGGGTTG 60
Qy 316 GGGGGGCGGCGGCTGTTTGTTCCTTTTCTTTTAAAGTGGGTTTCTTTTAA 375
Db 61 GGGGGGCGGCGGCTGTTTGTTCCTTTTCTTTTAAAGTGGGTTTCTTTTAA 120
Qy 376 TTATCCAAACAGTGGGAGCTTCTCCCCACACCCCAAGTATTTGCACATATTTGCG 435
Db 121 TTATCCAAACAGTGGGAGCTTCTCCCCACACCCCAAGTATTTGCACATATTTGCG 180
Qy 436 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGGATCTCGTTCT 495
Db 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGGATCTCGTTCT 240
Qy 496 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGGATCTCGTTCT 495
Db 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGGATCTCGTTCT 240
Qy 496 CCTCATTTTGGGGGTGTGGGAGCTTCTCAGTCTGTGCCAGCTTCTCTGAGT 555
Db 241 CCTCATTTTGGGGGTGTGGGAGCTTCTCAGTCTGTGCCAGCTTCTCTGAGT 300

Qy 556 CCCTTCTGCCCTGCCGGGCGCGTCCGGAGGCGCCATG 592
Db 301 CCCTTCTGCCCTGCCGGGCGCGTCCGGAGGCGCCATG 337
RESULT 11
US-10-620-052A-29
; Sequence 29, Application US/10620052A
; Publication No. US20040126784A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Markovtsov, Vadim
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modulators of Cellular Proliferation
; FILE REFERENCE: 021044-004010US
; CURRENT APPLICATION NUMBER: US/10/620,052A
; CURRENT FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: US 60/395,443
; PRIOR FILING DATE: 2002-07-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 1321
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: potentially prenylated protein tyrosine
; OTHER INFORMATION: phosphatase (PRL-3), protein tyrosine phosphatase
; OTHER INFORMATION: type IVA, member 3, isoform 2, transcript variant
; OTHER INFORMATION: 2 (PTP4A3)
US-10-620-052A-29

Query Match 56.9%; Score 337; DB 7; Length 1321;
Best Local Similarity 100.0%; Pred. No. 3.4e-83;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 256 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTCGCCCTTACTTTGGTGGGTTG 315
Db 1 TGACTATCCAGCTCTGAGAGACGGAGTTGGAGTTCGCCCTTACTTTGGTGGGTTG 60
Qy 316 GGGGGGCGGCGGCTGTTTGTTCCTTTTCTTTTAAAGTGGGTTTCTTTTAA 375
Db 61 GGGGGGCGGCGGCTGTTTGTTCCTTTTCTTTTAAAGTGGGTTTCTTTTAA 120
Qy 376 TTATCCAAACAGTGGGAGCTTCTCCCCACACCCCAAGTATTTGCACATATTTGCG 435
Db 121 TTATCCAAACAGTGGGAGCTTCTCCCCACACCCCAAGTATTTGCACATATTTGCG 180
Qy 436 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGGATCTCGTTCT 495
Db 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGGATCTCGTTCT 240
Qy 496 CCTCATTTTGGGGGTGTGGGAGCTTCTCAGTCTGTGCCAGCTTCTCTGAGT 555
Db 241 CCTCATTTTGGGGGTGTGGGAGCTTCTCAGTCTGTGCCAGCTTCTCTGAGT 300
Qy 556 CCCTTCTGCCCTGCCGGGCGCGTCCGGAGGCGCCATG 592
Db 301 CCCTTCTGCCCTGCCGGGCGCGTCCGGAGGCGCCATG 337

RESULT 12
US-10-177-554-18
; Sequence 18, Application US/10177554
; Publication No. US20030235911A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Hong Zhang
; TITLE OF INVENTION: ANTISENSE MODULATION OF PRL-3 EXPRESSION
; FILE REFERENCE: RTS-0370
; CURRENT APPLICATION NUMBER: US/10/177,554

; CURRENT FILING DATE: 2002-06-20
; NUMBER OF SEQ ID NOS: 239
; SEQ ID NO 18
; LENGTH: 1396
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (335)...(856)
US-10-177-554-18

Query Match 56.9%; Score 337; DB 6; Length 1396;
Best Local Similarity 100.0%; Pred. No. 3.5e-83;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTTACTTTGGTTGGTTG 315
DB 1 TGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTTACTTTGGTTGGTTG 60
QY 316 GGGGGGGGGGGGGGCTTTTGTCTCTTTTAAAGAGTTGGTTTCTTTTAA 375
DB 61 GGGGGGGGGGGGGGCTTTTGTCTCTTTTAAAGAGTTGGTTTCTTTTAA 120
QY 376 TTATCCAAACAGTGGGACGCTTCTCCCCCACACCAAGTATTGCAATATTGTGCG 435
DB 121 TTATCCAAACAGTGGGACGCTTCTCCCCCACACCAAGTATTGCAATATTGTGCG 180
QY 436 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGCAGGAGTCTCGTTCT 495
DB 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGCAGGAGTCTCGTTCT 240
QY 496 CCTCATTTTGGGGGTGTGGGACTTCTCAGTCTGTCGCCAGCCTTCTCTGCACT 555
DB 241 CCTCATTTTGGGGGTGTGGGACTTCTCAGTCTGTCGCCAGCCTTCTCTGCACT 300
QY 556 CCTTCTGCCCTGCCGGCCCGTGGGAGGCCCATG 592
DB 301 CCTTCTGCCCTGCCGGCCCGTGGGAGGCCCATG 337

RESULT 13

US-10-444-795B-798
; Sequence 798, Application US/10444795B
; Publication No. US20040077574A1
; GENERAL INFORMATION:
; APPLICANT: Klinghoffer, Richard
; APPLICANT: Lewis, Stephen Patrick
; TITLE OF INVENTION: MODULATION OF BIOLOGICAL SIGNAL
; FILE REFERENCE: 200125, 449
; CURRENT APPLICATION NUMBER: US/10/444,795B
; CURRENT FILING DATE: 2003-05-23
; NUMBER OF SEQ ID NOS: 842
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 798
; LENGTH: 1396
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-444-795B-798

Query Match 56.9%; Score 337; DB 7; Length 1396;
Best Local Similarity 100.0%; Pred. No. 3.5e-83;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTTACTTTGGTTGGTTG 315
DB 1 TGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTTACTTTGGTTGGTTG 60
QY 316 GGGGGGGGGGGGGGCTTTTGTCTCTTTTAAAGAGTTGGTTTCTTTTAA 375
DB 61 GGGGGGGGGGGGGGCTTTTGTCTCTTTTAAAGAGTTGGTTTCTTTTAA 120

QY 376 TTATCCAAACAGTGGGACGCTTCTCCCCCACACCAAGTATTGCAATATTGTGCG 435
DB 121 TTATCCAAACAGTGGGACGCTTCTCCCCCACACCAAGTATTGCAATATTGTGCG 180
QY 436 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGCAGGAGTCTCGTTCT 495
DB 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGCAGGAGTCTCGTTCT 240
QY 496 CCTCATTTTGGGGGTGTGGGACTTCTCAGTCTGTCGCCAGCCTTCTCTGCACT 555
DB 241 CCTCATTTTGGGGGTGTGGGACTTCTCAGTCTGTCGCCAGCCTTCTCTGCACT 300
QY 556 CCTTCTGCCCTGCCGGCCCGTGGGAGGCCCATG 592
DB 301 CCTTCTGCCCTGCCGGCCCGTGGGAGGCCCATG 337

RESULT 14

US-11-060-756-2935
; Sequence 2935, Application US/11060756
; Publication No. US20050221354A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William Martin
; TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug
; FILE REFERENCE: AM101083 (031896-042000)
; CURRENT APPLICATION NUMBER: US/11/060,756
; CURRENT FILING DATE: 2005-02-18
; NUMBER OF SEQ ID NOS: 303284
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2935
; LENGTH: 1396
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-060-756-2935

Query Match 56.9%; Score 337; DB 10; Length 1396;
Best Local Similarity 100.0%; Pred. No. 3.5e-83;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 256 TGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTTACTTTGGTTGGTTG 315
DB 1 TGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTTACTTTGGTTGGTTG 60
QY 316 GGGGGGGGGGGGGGCTTTTGTCTCTTTTAAAGAGTTGGTTTCTTTTAA 375
DB 61 GGGGGGGGGGGGGGCTTTTGTCTCTTTTAAAGAGTTGGTTTCTTTTAA 120
QY 376 TTATCCAAACAGTGGGACGCTTCTCCCCCACACCAAGTATTGCAATATTGTGCG 435
DB 121 TTATCCAAACAGTGGGACGCTTCTCCCCCACACCAAGTATTGCAATATTGTGCG 180
QY 436 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGCAGGAGTCTCGTTCT 495
DB 181 GGGTATGGGGTGGGTTTAAATCTCGTTTCTTTGGACAAGCAGGAGTCTCGTTCT 240
QY 496 CCTCATTTTGGGGGTGTGGGACTTCTCAGTCTGTCGCCAGCCTTCTCTGCACT 555
DB 241 CCTCATTTTGGGGGTGTGGGACTTCTCAGTCTGTCGCCAGCCTTCTCTGCACT 300
QY 556 CCTTCTGCCCTGCCGGCCCGTGGGAGGCCCATG 592
DB 301 CCTTCTGCCCTGCCGGCCCGTGGGAGGCCCATG 337

RESULT 15

US-11-060-756-7207
; Sequence 7207, Application US/11060756
; Publication No. US20050221354A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William Martin

; TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug

; TITLE OF INVENTION: Target Genes

; FILE REFERENCE: AM101083 (031896-042000)

; CURRENT APPLICATION NUMBER: US/11/060,756

; CURRENT FILING DATE: 2005-02-18

; NUMBER OF SEQ ID NOS: 303284

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 7207

; LENGTH: 1396

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-11-060-756-7207

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Query Match      56.9%; Score 337; DB 10; Length 1396;
Best Local Similarity 100.0%; Pred. No. 3.5e-83;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      256 TGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTTTACTTTGGTTGGGTTG 315
Db      1 TGACTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCCGCTTTACTTTGGTTGGGTTG 60

Qy      316 GGGGGGGGGGGGGCTGTTTGTTCCTTTCTTTTAAAGAGTTGGGTTTCTTTTAA 375
Db      61 GGGGGGGGGGGGGCTGTTTGTTCCTTTCTTTTAAAGAGTTGGGTTTCTTTTAA 120

Qy      376 TTATCCAAACAGTGGGAGCTTCTCCCAACACCAAGTATTTGCACAATATTGTGCG 435
Db      121 TTATCCAAACAGTGGGAGCTTCTCCCAACACCAAGTATTTGCACAATATTGTGCG 180

Qy      436 GGGTATGGGGTGGGTTTTTAAATCTCGTTTCTTTGGACAAGCACAGGGATCTCGTTCT 495
Db      181 GGGTATGGGGTGGGTTTTTAAATCTCGTTTCTTTGGACAAGCACAGGGATCTCGTTCT 240

Qy      496 CCTCATTTTTTGGGGGTGTGTGGGAGCTTCTCAGGTGTGTCCCAAGCCTTCTCTGCAGT 555
Db      241 CCTCATTTTTTGGGGGTGTGTGGGAGCTTCTCAGGTGTGTCCCAAGCCTTCTCTGCAGT 300

Qy      556 CCCTTCTGCCCTGCCGGCCCGTCCGGAGGCGCCATG 592
Db      301 CCCTTCTGCCCTGCCGGCCCGTCCGGAGGCGCCATG 337
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Search completed: April 3, 2006, 05:55:10
Job time : 738 secs

Db 3792 GTTTATTATTTGGAGTATTAGTATGTTTAGGTGCGGTGCGGGTGTGTTGTT 3851

Qy 337 GTTCCCTTTCTTTTAAAGAGTGGGTTTTCTTTTTT 373

Db 3852 TTTTATTTTATTTTATTTTATGTTGCGGTATATTTT 3888

RESULT 2
US-10-240-708-60
; Sequence 60, Application US/10240708
; Publication No. US20050282157A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; TITLE OF INVENTION: by Assessing DNA Methylation
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/240,708
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 60
; LENGTH: 6156
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-708-60

RESULT 3.

US-11-082-154A-18

; Sequence 18, Application US/11082154A

; Publication No. US20060024820A1

; GENERAL INFORMATION:

; APPLICANT: Perkins, Edward

; APPLICANT: Perez, Carl

; APPLICANT: Lindenbaum, Michael

; APPLICANT: Greene, Amy

; APPLICANT: Leung, Josephine

; APPLICANT: Fleming, Elena

; APPLICANT: Stewart, Sandra

```

; APPLICANT: Shellard, Jean
; TITLE OF INVENTION: CHROMOSOME-BASED PLATFORMS
; FILE REFERENCE: 17084-022003 (420C)
; CURRENT APPLICATION NUMBER: US/11/082.154A
; CURRENT FILING DATE: 2005-03-15
; PRIOR APPLICATION NUMBER: 60/294,758
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: 60/366,891
; PRIOR FILING DATE: 2002-03-21
; PRIOR APPLICATION NUMBER: US 10/161,403
; PRIOR FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 22118
; TYPE: DNA
; ORGANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank X82564
; DATABASE ENTRY DATE: 1996-04-09
; US-11-082-154A-18

Query Match          7.6%; Score 45.2; DB 14; Length 22118;
Best Local Similarity 52.7%; Pred. No. 3.3;
Matches 98; Conservative 0; Mismatches 88; Indels 0; Gaps 0;

Qy      192  TTGTGAGTTTAAAGTTTCTTTGCTGAGCTTTTGGTGTGTTCTTTATTTTTCCTC 251
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      19801  TTGTGTGTGTTTCTGTTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 19860

Qy      252  TTTATGACTATCCAGCTCTGAGACGGGAGTTTCGAGTTGCCGCTTTTACTTTGGTTGG 311
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      19861  TTGTGTGTGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 19920

Qy      312  GTTGGGGGGGGCGCGGCGCTCTTTTGTTCCTTTCTTTCTTTTAAAGAGTTCGGTTTCTTTT 371
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      19921  GTTGGGTGTGGTGGGTGTGCTGTGTTGCTTTGTGTTGTTGTTGTTGTTGTTGTTTGT 19980

Qy      372  TTAATT 377
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      19981  TTGTTT 19986
          ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 4
US-10-301-480-611851
; Sequence 611851, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; TITLE OF INVENTION: in the Human Genome
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 611851
; LENGTH: 995
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-611851

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	Query Match	7.3%	Score 43	DB 10	Length 995
	Best Local Similarity	51.9%	Pred. No. 5.1		
	Matches 97	Conservative	0	Mismatches 90	Indels 0
	Gaps				
Qy	187	TTCACTTTGAGTTTTTAAAGTTTTCTTTTCGTGAGCTTTTTTGGTTGGTCTTTTTTATTTTTT	246		
Db	430	TTCAAAATGACTAAATTTTGCAATTTCTGGTCTTTTGGTTTGTAAATGAAGTTTTTTTTTTTTT	489		

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QY 247 GCCTCTTTATGACTATCCAGCTCTGAGACAGCGGAGTTTGGAGTTGCCCGCTTTACTTTG 306
Db |||||
490 TTTTCTTTCTCTCTTTAATGATCATAGACATGACAGTTTCCTTTAGTCAATACAGTTA 549
QY 307 GTTGGTTGGGGGGGGCGGCGCTTTTGTCTCTTTCTTTTAAAGAGTTGGGTTT 366
Db |||||
550 ATTGTGTGTGAGTGTGCGTGCATGTGTGTGCACGGGTCTCTTTTGAAGGATGGTTTG 609
QY 367 CTTTTTT 373
Db |||||
610 CTGATCT 616

RESULT 5
US-10-301-480-1225260
; Sequence 1225260, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT FILING DATE: 2002-11-21
; PRIOR FILING DATE: 2002-11-21
; PRIOR FILING DATE: 2002-08-09
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1225260
; LENGTH: 995
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-1225260

Query Match
Best Local Similarity 7.3%; Score 43; DB 10; Length 995;
Matches 97; Conservative 0; Mismatches 90; Indels 0; Gaps 0;

QY 187 TTCATTTGAGTTTAAAGTTTCTTTGCTGAGCTTTTGGTGTCTTTTATTTT 246
Db |||||
430 TTTCAATGACTAATTTTGCATCTGCTTTTGTGTTTAAATGAAGTTT 489
QY 247 GCCTCTTTATGACTATCCAGCTCTGAGACAGCGGAGTTTGGAGTTGCCCGCTTTACTTTG 306
Db |||||
490 TTTTCTTTCTCTTTTAAATGATCATAGACATGACAGTTTCTTTAGTCAATACAGTTA 549
QY 307 GTTGGTTGGGGGGCGGCGCTTTTGTCTCTTTCTTTTAAAGAGTTGGGTTT 366
Db |||||
550 ATTGTGTGTGAGTGTGCGTGCATGTGTGTGCACGGGTCTCTTTTGAAGGATGGTTTG 609
QY 367 CTTTTTT 373
Db |||||
610 CTGATCT 616

RESULT 6
US-10-330-773-365/c
; Sequence 365, Application US/10330773
; Publication No. US20060040262A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001300
; CURRENT FILING DATE: 2002-12-27
; CURRENT FILING DATE: 2002-12-27
; NUMBER OF SEQ ID NOS: 981
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 365
; LENGTH: 137454
```

```
TYPE: DNA
ORGANISM: Mus musculus
US-10-330-773-365

Query Match
Best Local Similarity 7.3%; Score 43; DB 9; Length 137454;
Matches 100; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 61 TCTTCTCTGCGCCTTGGGGCTTGGGGCCACCTCTGAGTGAAGGGGGCTGTCTGCCC 120
Db |||||
115071 TCTCTGTATAGCCCTGCTGCTGAGCTCACCTTTGTAGACAGGCTGGGCTCGAATC 115012
QY 121 ATCCACCAATGTGAGAGGGGGCCCCCGGTGTGGGTCCAGCTCTGGACACTGCTTGGCG 180
Db |||||
115011 AGAAATCCACCTGCTCTGCTGCCGAGTGTGGGATTAAGGCATGCCACCATGCC 114952
QY 181 GCCGGTTTCACTTTCAGTCTTTTAAAGTTTCTTCTGCTGAGCTTTTGGTGTCTTTT 240
Db |||||
114951 GCCTTCTTCTCTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 114892
QY 241 TTTTTCGCTCTTTTA 255
Db |||||
114891 AATTTATTTT 114877

RESULT 7
US-11-011-332A-103
; Sequence 103, Application US/11011332A
; Publication No. US20060024684A1
; GENERAL INFORMATION:
; APPLICANT: Foekens, John
; APPLICANT: Harbeck, Nadia
; APPLICANT: Koenig, Thomas
; APPLICANT: Maier, Sabine
; APPLICANT: Martens, John
; APPLICANT: Model, Fabian
; APPLICANT: Nimrich, Inko
; APPLICANT: Rujan, Tamas
; APPLICANT: Schmitt, Manfred
; APPLICANT: Lesche, Ralf
; APPLICANT: Dietrich, Dimo
; APPLICANT: Mueller, Volkmar
; APPLICANT: Kluth, Antje
; APPLICANT: Schwowe, Ina
; APPLICANT: Hartmann, Oliver
; APPLICANT: Adorjan, Peter
; TITLE OF INVENTION: PROGNOSTIC MARKERS FOR PREDICTION OF TREATMENT RESPONSE AND/OR S
; FILE REFERENCE: 47675-99
; CURRENT FILING DATE: 2004-12-13
; PRIOR FILING DATE: 2003-10-01
; PRIOR FILING DATE: 2003-10-01
; PRIOR FILING DATE: 2003-10-01
; PRIOR FILING DATE: 2002-10-01
; PRIOR FILING DATE: 2003-01-07
; PRIOR FILING DATE: 2003-04-17
; PRIOR FILING DATE: 2004-12-13
; PRIOR FILING DATE: 2004-12-13
; PRIOR FILING DATE: 2003-12-11
; PRIOR FILING DATE: 2004-02-10
; PRIOR FILING DATE: 2004-09-30
; PRIOR FILING DATE: 2004-09-30
; PRIOR FILING DATE: 2004-04-01
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 158
```

```

; SEQ ID NO 103
; LENGTH: 7001
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-11-011-332A-103

Query Match          7.2%; Score 42.6; DB 14; Length 7001;
Best Local Similarity 52.5%; Pred. No. 9.7; Mismatches 0; Gaps 0;
Matches 93; Conservative 0; Indels 84; Indels 0; Gaps 0;

QY 199 TTTTAAAGTTTCTTCTGAGCTTTTGGTCTTTCTTTTATTTTGGCTCTTTATGA 258
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6296 TTTTGGGTAATTTGGGATGAGTTTGTGTTGTTGTTGTTGTTGTTGTTGTTT 6355

QY 259 CTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCGCTTTACTTTGGTTGGGG 318
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6356 TTATTAGATTTTATAGATTTTATTTTATTTTATTTTATTTTATTTTATTTT 6415

QY 319 GGGCGCGCGGCTGTTTGTCTCTTTCTTTTAAAGAGTTGGTCTTTCTTTTAA 375
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6416 AGTTGGAGTGAATGGTGTGATTTTGGTTTATTAATTTTGGTTTGA 6472

```

```

RESULT 8
US-11-011-332A-158
; Sequence 158, Application US/11011332A
; Publication No. US20060024684A1
; GENERAL INFORMATION:
; APPLICANT: Foekens, John
; APPLICANT: Harbeck, Nadia
; APPLICANT: Koenig, Thomas
; APPLICANT: Maier, Sabine
; APPLICANT: Martens, John
; APPLICANT: Model, Fabian
; APPLICANT: Nimmrich, Inko
; APPLICANT: Rujan, Tamas
; APPLICANT: Schmitt, Manfred
; APPLICANT: Lesche, Ralf
; APPLICANT: Dietrich, Dimo
; APPLICANT: Mueller, Volkmar
; APPLICANT: Kluth, Antje
; APPLICANT: Schwöpe, Ina
; APPLICANT: Hartmann, Oliver
; APPLICANT: Adorjan, Peter
; TITLE OF INVENTION: PROGNOSTIC MARKERS FOR PREDICTION OF TREATMENT RESPONSE AND/OR SU
; FILE REFERENCE: 47675-99
; CURRENT APPLICATION NUMBER: US/11/011,332A
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 10/517,741
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: PCT/EP2003/010881
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: DE 10245779.4
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: DE 10300096.8
; PRIOR FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: DE 10317955.0
; PRIOR FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: PCT/EP2004/014170
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: EP 03090432.0
; PRIOR FILING DATE: 2003-12-11
; PRIOR APPLICATION NUMBER: EP 04090041.7
; PRIOR FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: EP 04090380.9
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: EP 04090127.4
; PRIOR FILING DATE: 2004-04-01
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 158

```

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; SEQ ID NO 158
; LENGTH: 8252
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-11-011-332A-158

Query Match          7.2%; Score 42.6; DB 14; Length 8252;
Best Local Similarity 52.5%; Pred. No. 10; Mismatches 0; Gaps 0;
Matches 93; Conservative 0; Indels 84; Indels 0; Gaps 0;

QY 199 TTTTAAAGTTTCTTCTGAGCTTTTGGTCTTTCTTTTATTTTGGCTCTTTATGA 258
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 4335 TTTTGGGTAATTTGGGATGAGTTTGTGTTGTTGTTGTTGTTGTTGTTT 4394

QY 259 CTATCCAGCTCTGAGAGACGGGAGTTGGAGTTGCCGCTTTACTTTGGTTGGGG 318
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 4395 TTATTAGATTTTATAGATTTTATTTTATTTTATTTTATTTTATTTTATTT 4454

QY 319 GGGCGCGCGGCTGTTTGTCTCTTTCTTTTAAAGAGTTGGTCTTTCTTTTAA 375
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 4455 AGTTGGAGTGAATGGTGTGATTTTGGTTTATTAATTTTGGTTTGA 4511

```

```

RESULT 9
US-11-011-332A-96
; Sequence 96, Application US/11011332A
; Publication No. US20060024684A1
; GENERAL INFORMATION:
; APPLICANT: Foekens, John
; APPLICANT: Harbeck, Nadia
; APPLICANT: Koenig, Thomas
; APPLICANT: Maier, Sabine
; APPLICANT: Martens, John
; APPLICANT: Model, Fabian
; APPLICANT: Nimmrich, Inko
; APPLICANT: Rujan, Tamas
; APPLICANT: Schmitt, Manfred
; APPLICANT: Lesche, Ralf
; APPLICANT: Dietrich, Dimo
; APPLICANT: Mueller, Volkmar
; APPLICANT: Kluth, Antje
; APPLICANT: Schwöpe, Ina
; APPLICANT: Hartmann, Oliver
; APPLICANT: Adorjan, Peter
; TITLE OF INVENTION: PROGNOSTIC MARKERS FOR PREDICTION OF TREATMENT RESPONSE AND/OR SI
; FILE REFERENCE: 47675-99
; CURRENT APPLICATION NUMBER: US/11/011,332A
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 10/517,741
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: PCT/EP2003/010881
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: DE 10245779.4
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: DE 10300096.8
; PRIOR FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: DE 10317955.0
; PRIOR FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: PCT/EP2004/014170
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: EP 03090432.0
; PRIOR FILING DATE: 2003-12-11
; PRIOR APPLICATION NUMBER: EP 04090041.7
; PRIOR FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: EP 04090380.9
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: EP 04090127.4
; PRIOR FILING DATE: 2004-04-01
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 158

```

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; SEQ ID NO 96
; LENGTH: 8467
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-11-011-332A-96

Query Match
Best Local Similarity 7.2%; Score 42.4; DB 14; Length 8467;
Matches 109; Conservative 0; Mismatches 111; Indels 0; Gaps 0;

QY 160 AGCTCTGGACACTGCTGGCGCGGCTTCACTTTGAGTTTTTAAGTTTCTTTGCTGAG 219
Db 4641 AGTTTGTATAGTTGTTTGGAGTTGAGTTGAGTTTATTTTATTTTGGG 4700

QY 220 CTTTCTTTGTTCTTTTATTTTGTGCTCTTATGACTATCCAGCTCTGAGAGCGG 279
Db 4701 TTTTCTTTGTTCTTTTATTTTGTGCTCTTATGACTATCCAGCTCTGAGAGCGG 279

QY 280 GAGTTTGGAGTTGCCGCTTACTTTGTTGGTTGGGGGGCGCGGCGCTGTTTGT 339
Db 4761 GGGGAATGATAGTAGTAGTTTATTTGGGTTTGGGGGGGGGAGTTTGTGTTGAT 4820

QY 340 CTTTCTTTTAAAGAGTTGGGTTTCTTTTAAATTAT 379
Db 4821 AGTATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 4860

RESULT 10
US-11-102-026A-181
; Sequence 181, Application US/11102026A
; Publication No. US20060021087A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; APPLICANT: Baum, James A
; APPLICANT: Gilbertson, Larry A
; APPLICANT: Kovalic, David K
; APPLICANT: Larosa, Thomas J
; APPLICANT: Lu, Maolong
; APPLICANT: Muniyikwa, Tichifa R. I.
; APPLICANT: Roberts, James K
; APPLICANT: Wu, Wei
; APPLICANT: Zhang, Bei
; TITLE OF INVENTION: Compositions and Methods for Control of Insect Infestations in Pl
; FILE REFERENCE: 38-21(53596)
; CURRENT APPLICATION NUMBER: US/11/102,026A
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 60560842
; PRIOR FILING DATE: 2004-04-09
; PRIOR APPLICATION NUMBER: 60565632
; PRIOR FILING DATE: 2004-04-27
; PRIOR APPLICATION NUMBER: 60579062
; PRIOR FILING DATE: 2004-06-11
; PRIOR APPLICATION NUMBER: 60603421
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: 60617261
; PRIOR FILING DATE: 2004-10-11
; PRIOR APPLICATION NUMBER: 60669241
; PRIOR FILING DATE: 2005-04-07
; NUMBER OF SEQ ID NOS: 190
; SEQ ID NO 181
; LENGTH: 3641
; TYPE: DNA
; ORGANISM: Lygus hesperus
US-11-102-026A-181

Query Match
Best Local Similarity 7.1%; Score 42.2; DB 14; Length 3641;
Matches 119; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

QY 182 CCGGTTTCACTTTGAGTTTAAAGTTTCTTTGCTGAGCTTTTGGTTGTTCTTTTAT 241

```

```

Db 769 CCCCCCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 828
QY 242 TTTTGGCTCTTTATGACTATCCAGCTCTGAGAGCGGAGTTTGGAGTTGCCGCTTTA 301
Db 829 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 888
QY 302 CTTTGGTTGGGTTGGGGGGGGGCTGTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 361
Db 889 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 948
QY 362 GTTTCTTTTAAATATATATATATATATATATATATATATATATATATATATATAT 421
Db 949 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1008
QY 422 ACAATAT 428
Db 1009 ATAAAT 1015

RESULT 11
US-11-011-332A-98
; Sequence 98, Application US/11011332A
; Publication No. US20060024684A1
; GENERAL INFORMATION:
; APPLICANT: Foekens, John
; APPLICANT: Harbeck, Nadia
; APPLICANT: Koenig, Thomas
; APPLICANT: Maier, Sabine
; APPLICANT: Martens, John
; APPLICANT: Model, Fabian
; APPLICANT: Nimmrich, Inko
; APPLICANT: Rujan, Tamas
; APPLICANT: Schmitt, Manfred
; APPLICANT: Lesche, Ralf
; APPLICANT: Dietrich, Dima
; APPLICANT: Mueller, Volkmar
; APPLICANT: Kluth, Antje
; APPLICANT: Schwöpe, Ina
; APPLICANT: Hartmann, Oliver
; APPLICANT: Agorjan, Peter
; TITLE OF INVENTION: PROGNOSTIC MARKERS FOR PREDICTION OF TREATMENT RESPONSE AND/OR S
; FILE REFERENCE: 47675-99
; CURRENT APPLICATION NUMBER: US/11/011,332A
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 10/517,741
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: PCT/EP2003/010881
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: DE 10245779.4
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: DE 10300096.8
; PRIOR FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: DE 10317955.0
; PRIOR FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: PCT/EP2004/014170
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: EP 03090432.0
; PRIOR FILING DATE: 2003-12-11
; PRIOR APPLICATION NUMBER: EP 04090041.7
; PRIOR FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: EP 04090380.9
; PRIOR FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: EP 04090127.4
; PRIOR FILING DATE: 2004-04-01
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 158
; SEQ ID NO 98
; LENGTH: 4453
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

```


Qy	281	AGTTTGGAGTTGCCCGCTTTTACTTTGGTTGGTTGGGGGGGGGGCTGTTTGGTTT	340
Db	9557	GGTTTGGTTTGGTTTGGTTTGGTTTGGTTTGGTTTGGTTTGGTTTGGTTT	9498
Qy	341	CTTTTCTTTTCTTTTAAAGATTGGTTTCTTTT	372
Db	9497	GGTTTGGTTTGGTTTGGTTTGGTTTGGTTTGGTTT	9466

```

RESULT 15
US-09-925-065A-36845/c
; Sequence 36845, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243, 096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252, 147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250, 092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261, 766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289, 846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36845
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-36845

```

Query Match	7.0%;	Score 41.4;	DB 6;	Length 614;
Best Local Similarity	53.5%;	Pred. No. 10;		
Matches	84;	Conservative 1;	Mismatches 72;	Indels 0; Gaps 0;
QY	197	GTITTTTAAAGTTTTCTTTGCTGAGCTTTTTGGTGTGTTCTTTTTATTTTTTGGCTCTTTAT	256	
Db	364	GTTCCTTTCTTTTCTTTCTCTTT	305	
QY	257	GACTATCCAGCTCTGAGAGACGGAGTTTGGAGTTCGCCGTTTACTTTGTTGGGTGG	316	
Db	304	GAGTCTTGCTCTGTCAACCAGGCTGAAGTGCAGTGGTCAATCTCTGCTCGCTGCAAGT	245	
QY	317	GGGGGGGGGGGGCTGTTTTGTCTCTTTTCTTTTTTAA	353	
Db	244	TTGGAGGCTCTTTTTTTTTTTTTTTTTTTTTTTTTTTGA	208	

Search completed: April 3, 2006, 07:02:20
Job time : 1441 secs

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